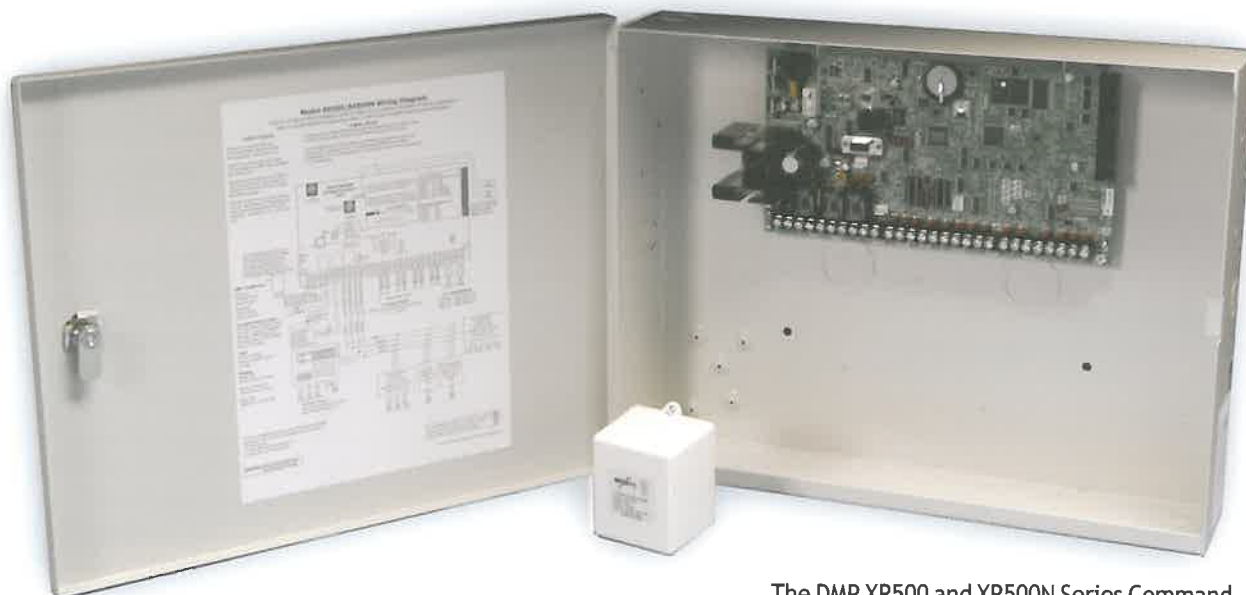




NETWORK MONITORING!

ATTACHMENT C



The DMP XR500 and XR500N Series Command Processor™ Panels provide dealers and end-users with the industry's most impressive array of system features found in any integrated system. The combination of capability, sophistication, and simple operation makes this system the obvious choice for all your burglary, fire, and access control applications.

XR500 SERIES 574-ZONE COMMAND PROCESSOR™ PANEL

SYSTEM FEATURES

- 32 individual reporting areas, with common areas
- Up to 574 fully programmable input zones
- Up to 574 graphic annunciator outputs
- Up to 502 Form C relays
- Up to 562 two-wire smoke detector zones
- 10,000 user codes with 99 profiles
- 12,000 event buffer
- Supports 793 Easy Entry™ keypads
- Up to 100 output schedules to control relays and panel outputs
- Serial 3 digital dialer or CID reporting to multiple central station receivers
- AES (Advanced Encryption Standard) Rijndael Encryption with an iCOM-E Network Alarm Router
- Built-in phone line monitor
- Laptop programmable from on-board DB-9 connector or programmable from any DMP LCD keypad
- Built-in DB-9 RS-232 or LX-Bus (Selectable)

- Flash updateable ROM: No more firmware chips to replace
- Multiple on-board status LEDs for power, system and communication status
- 20 holiday dates up to one year in advance with schedules
- Programming header for quick connection of keypad or devices
- Automatically disarm burglary areas upon door access
- Backwards compatible to current XR200 keypads and devices
- 1.5 Amps bell output
- 1.5 Amps smoke and auxiliary output
- Inherent power limited circuits
- 16.5 VAC 50 VA plug-in transformer included

XR500N SYSTEM FEATURES

- On-Board Ethernet (no iCOM required)
- Bank, Safe & Vault Operation
- Two Man Rule, Panic Button Test, and Early Morning Ambush



COMMUNICATION

The XR500 Series is unmatched in its communication capability with Serial 3 digital dialer, CID, and Network Monitoring. In addition, the XR500 Series can report to multiple central station receivers. DMP Serial 3 format supports 16-character user, zone, and area names to increase the central station response time and limit dependence on automation literal tables for message conversion.

EXPANDED NETWORK OPTIONS

Expand the XR500 features by using the built-in panel capability to connect directly to any RS-232 device or add a network device, such as an iCOM™ or iCOM-E™ Network Alarm Router.

DIGITAL DIALER

The XR500 system sends alarm and system reports to the central station using Serial 3 communication format. Serial 3 has an average on-line time of 5.6 seconds to comply with 6-second minimum time requirements for some long distance savings plans.

BUILT-IN PROGRAMMER AND DIAGNOSTICS

The XR500 Series do not require an external programming device. This allows installers and service technicians to program the system and run diagnostics from any DMP LCD keypad.

TRUE AREAS

The XR500 Series contains 32 completely independent areas with a wide range of programmable options. Each area has a separate name and account number and can be independently armed.

AREA FILTERS

Burglary activities can be segmented so that only specific area(s) and their associated operation appear at a particular keypad. This feature allows specific area control from specific devices, as well as zone annunciation assigned to those area(s).

COMMON AREAS

One or more areas can be designated as common. Common areas automatically arm when the last regular area is armed and disarm when the first regular area is disarmed. This is ideal for lobbies or areas where users need common access to specific areas only.

ZONE EXPANSION

The XR500 provides up to 574 zones, programmable for burglary, fire, and access applications. The system contains eight burglary zones and two Class B 12 VDC powered zones. Up to 64 zones are available on the 16 keypad addresses and up to 100 zones are available on the built-in LX-Bus. In addition, add up to 500 zones using Expansion Modules.

CROSS ZONING

This powerful feature allows multiple zones to be cross-zoned and report alarms only when two or more zones trip within 4-250 programmable seconds. If only one zone trips, a fault report is sent to the central station.

INTERFACE CARDS

461 Interface Adaptor Card allows you to install five additional Interface Cards.

462P Printer Card allows you to connect a serial printer and provide a real-time 80-character printout of system events.

462N Network Card allows you to connect to a computer data network, DVR integration, or to a computer for local programming with Remote Link.

462FM 9600 Baud Modem Card enhances the system's internal modem to 9600 Baud for remote uploading and downloading.

472 Wireless Interface Card allows you to connect up to 200 900MHz wireless devices on the XR500.

481 LX-Bus Card provides one LX-Bus™ circuit for up to 100 expansion zones.

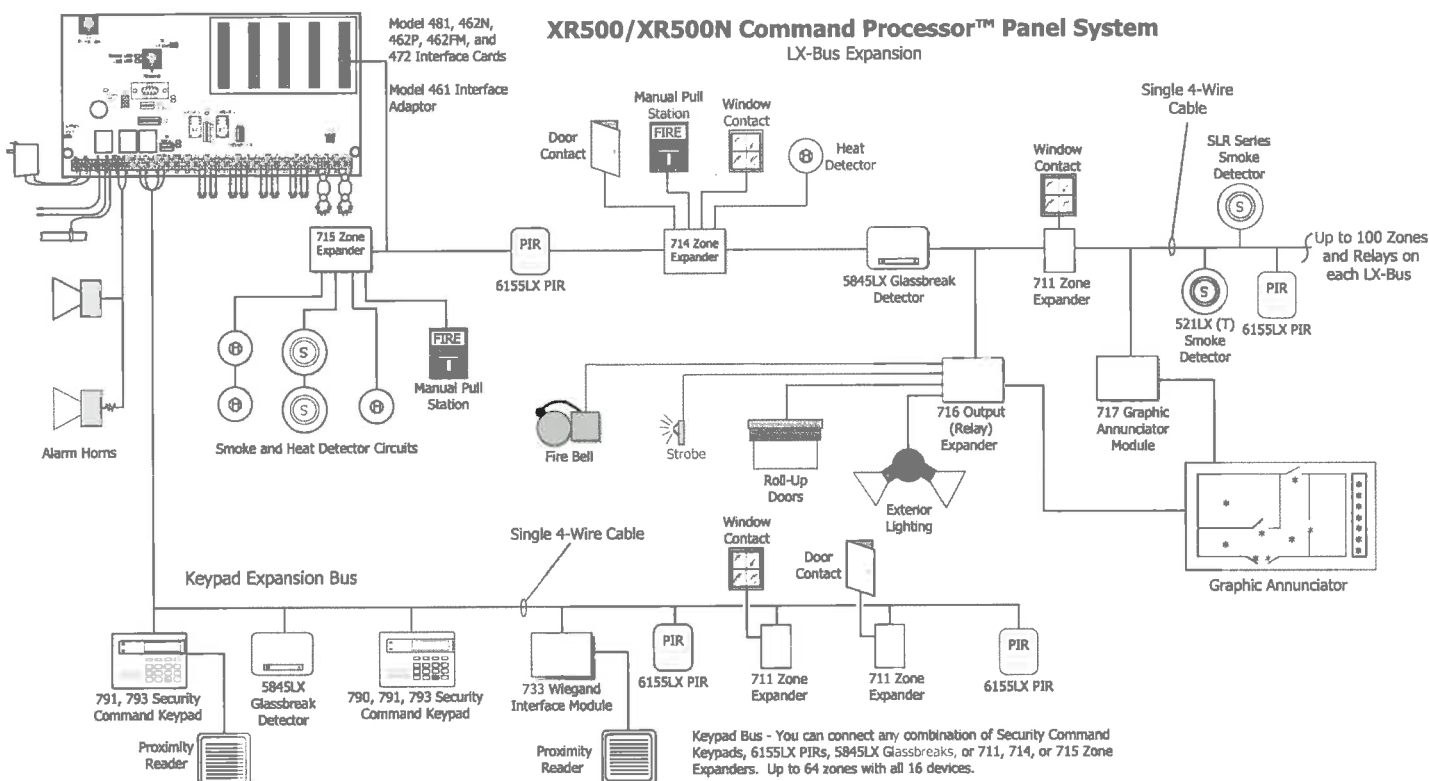
WIRELESS ZONES

The FA400-DMP Wireless Receiver allows up to 200 points of 900MHz wireless transmitters.

The FA426 Remote Wireless Receiver also allows up to 16 points of 900MHz wireless transmitters on the system.

The 738A Ademco Wireless Expansion Module allows up to 32 supervised zones of Ademco wireless devices on your system.

The 738I ITI Wireless Expansion Module allows up to 96 points of ITI devices to be connected to the system.



10,000 USER CODES

The XR500 provides 10,000 users. Each user can be assigned one of 99 different profiles including access to any combination of areas. A 16-character name can be assigned to each code, which prints on a local printer (462P required), displays from the event buffer, transmits to a receiver, or sends via data network to DMP Advanced Reporting software.

OUTPUTS

The XR500 allows the use of two SPDT relay outputs with a 431 Output Harness, and four open collector outputs using a Model 300 Output Harness. Multiple outputs can be grouped to activate with a single event. Output Groups can be assigned to a particular user profile. Up to 500 outputs may be used on the XR500 LX-Bus with 716 Output Modules.

SCHEDULES

The XR500 provides system operation flexibility using a variety of programmable schedules as described below. There are 100 total schedules available for use.

OUTPUT SCHEDULES

Output (relay) schedules automatically turn any of the systems relays or switched-ground outputs on or off. This feature allows control of exterior lighting or any contact-activated device.

With a Model 739 X-10 Interface Module on the LX-Bus users can program schedules for their X-10 devices. This allows the panel LX-Bus outputs to control the X-10 device on/off status. The 739 module does not require any address programming.

HOLIDAY DATES AND SCHEDULES

The XR500 allows up to 20 different user selectable holiday dates that override the normal schedules. Independent holiday schedules are available for each of the 32 burglary areas, system relay output operation, and door strike operation. All holiday dates can be assigned up to one year in advance.

SHIFT SCHEDULES

Each system area can have a shift schedule. Each user access card can be assigned to operate during one or more of the four shift schedules, or allowed to operate regardless of any schedule. This schedule is also used by the burglary system to determine if a particular area is not armed by the scheduled closing time.

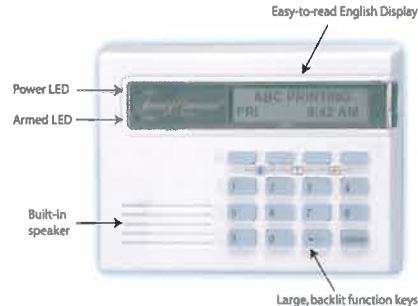
DOOR STRIKE SCHEDULES WITH OVERRIDE

Door strike schedules are also provided to allow door strike control. Specific doors may be set to unlock certain times of the day or night, or the card reader can be completely disabled when desired. The schedule override feature keeps doors locked should the business open late or close early due to inclement weather or other emergency.

SECURITY COMMAND®

KEYPAD

You can connect any LCD Security Command keypad to the XR500 system. Each keypad has large function keys for entering information and a backlit LCD display that allows users to view system events in almost all lighting conditions.



EASY ENTRY™ KEYPADS

For low cost access control, DMP has developed the Easy Entry™ Model 793 keypad with built-in proximity reader. You can also connect external proximity and magnetic stripe access readers to a 793 Easy Entry keypad.

16 INDEPENDENT DOORS OF ACCESS CONTROL

Any access control reader that provides a 26-40 bit Wiegand output can be connected to the XR500 using the Model 733 or 734 Wiegand Interface Modules, or Easy Entry™ keypads. Attach card reader inputs from up to 16 different locations.

AUTOMATIC BURGLARY SYSTEM DISARMING

Since the XR500 is an integrated burglary, fire, and access control system, a user can gain access and disarm the site, all in a single card read!

FOUR PROGRAMMABLE ENTRY DELAY TIMES

Delay zones on the XR500 can be assigned to any of the four programmable entry delays. Program entry times for 1 to 250 seconds.

SOFT SHUNT™

To provide an entry and exit window on systems with 24-hour perimeter protection, DMP has the Soft Shunt™ feature that shunts a zone on the keypad while the user enters or leaves the building.

REQUEST TO EXIT

This feature immediately releases a door strike or magnetic lock by connecting a motion sensing or mechanical device to a Model 733 or 734 Wiegand Interface Module, or DMP Easy Entry™ keypads. As the user trips the zone, the keypad activates its door strike relay allowing the user to exit the area without presenting a card.

ANTI-PASSBACK

The XR500 offers anti-passback operation. Distinct doors and readers can be designated for access to, or egress from, particular areas in the system.

ACCESS DENIED REPORTS

The XR500 system can restrict access for several reasons such as a schedule or armed area. The specific reason for access denial can be displayed on the keypad, stored in events, logged on a local printer (DMP 462P required), sent to the central station, or to DMP Advanced Reporting software.

12,000 EVENT MEMORY

The XR500 stores up to 12,000 events. The 10,000 Display Events feature allows you to view stored openings and closings, zone events, user code and schedule changes, door accesses, and supervisory events. Sort events by a particular user, door, and date range. The remaining 2,000 events list alarm events separately for easy review and research.

EVENTS MANAGER

Save monitoring costs with the XR500 by using the Events Manager option. This feature allows the panel to buffer specific system reports and automatically download them to the receiver when the available memory is full or keep them in memory until downloaded with DMP Remote Link™ Software.

FIRE DRILL AND ONE-MAN WALK TEST

Users can test fire notification bells using the Fire Drill feature. A special code is also available for installers to test the system.

The one-man walk test feature allows a single technician to check the panel response to burglary, fire, panic and supervisory zones. The trip counter and failed zones display provide a printable report.

XR500N NETWORK VERSION

The XR500N Network version is the perfect solution for multi-site applications where the Internet or LAN/WAN is available.

The XR500N provides built-in Ethernet network communication featuring enhanced network options that provide customizable check-in times and retry times.

In addition, the XR500N provides greater security for banks with Bank Safe & Vault operation, Two-Man Rule, Panic Button Test, and Early Morning Ambush features.

SPEC SHEET

KEYPADS

| | |
|-------|--------------------------------------|
| ePAD™ | Virtual Keypad |
| 630F | LCD Remote Fire Command |
| 690 | LCD Security Command |
| 690F | LCD Fire Command |
| 740 | LED Sub-Control & 4-zones |
| 741 | LED w/internal relay & 4-zones |
| 743 | LED w/internal relay/prox & 4-zones |
| 790 | LCD Security Command & 4-zones |
| 790F | LCD Fire Command & 4-zones |
| 791 | LCD w/internal relay & 4-zones |
| 793 | LCD w/internal relay, prox & 4-zones |

EXPANSION MODULES

| | |
|--------|--|
| 708 | Bus Extender Module |
| 710 | Bus Splitter/Repeater |
| 710F | Fire Bus Splitter/Repeater, 24 VDC |
| 711/E | Single Zone Expansion Module |
| 712-8 | 8-zone Expansion Module |
| 714 | 4-zone Class-B Expansion Module |
| 714-8 | 8-zone Class-B Expansion Module |
| 714-16 | 16-zone Class-B Expansion Module |
| 715 | 4-zone 2-wire smoke Expansion Module |
| 715-8 | 8-zone 2-wire smoke Expansion Module |
| 715-16 | 16-zone 2-wire smoke Expansion Module |
| 716 | Output Expansion Module: 4 Form C relays, 4 open collector outputs |
| 717 | Graphic Annunciator: 20 open collector outputs |
| 725 | 24 VDC 4-zone Expansion Module |
| 736P | Radionics Interface Module |
| 739 | X-10 Interface Module |

INTERFACE CARDS

| | |
|-------|--------------------------|
| 461 | Interface Adaptor Card |
| 462FM | 9600 Baud Modem |
| 462N | Network Interface Card |
| 462P | Printer Interface Card |
| 472 | Wireless Interface Card |
| 481 | Expansion Interface Card |

AUXILIARY MODULES

| | |
|------|---------------------------------------|
| 860 | Relay Output Module |
| 865 | Style Y/Z Notification Circuit Module |
| 866 | Style W Notification Circuit Module |
| 867 | LX-Bus Notification Circuit Module |
| 869 | Style D Initiating Circuit Module |
| 893A | Dual Phone Line Module |

NOTIFICATION APPLIANCES

| | |
|-----|----------------------------|
| 800 | Series Horns and Strobes |
| 831 | Single Circuit Sync Module |
| 832 | Dual Circuit Sync Module |
| 900 | Series Horns and Strobes |

POWER SUPPLIES

| | |
|-----------|--------------------------|
| 502-12 | Provides 2 Amps @ 12 VDC |
| 502-80 | 80-hour Standby Charger |
| 504-24/LX | Provides 4 Amps @ 24 VDC |
| 505-12/LX | Provides 5 Amps @ 12 VDC |
| 508 | 8 Amps @ 12 or 24 VDC |

PULL STATIONS

| | |
|------|------------------------------------|
| 850S | Manual Pull Station, Single-Action |
| 850D | Manual Pull Station, Dual-Action |

SMOKE/HEAT DETECTORS

| | |
|------------|---|
| SLR Series | Addressable Smoke/Heat |
| 521B/BXT | Addressable Smoke, CleanMe |
| 521LX/LXT | Addressable Smoke/Heat, CleanMe, 1 expansion zone |
| 600 Series | Heat Detectors |

TRANSFORMERS

| | |
|-----|--|
| 322 | Wire-in 56 VA |
| 326 | Wire-in 50 VA |
| 327 | Plug-in 50 VA |
| 323 | Wire-in 56 VA (350 or 350A battery enclosure required) |

INTRUSION DETECTORS

| | |
|---------------------|--|
| Sentrol® | Contacts, Panics, Glassbreaks, & PIRs |
| Optex | PIRs |
| Potter | Vibration Sensors, Contacts, Hold-up Buttons, and Sound Alarms |
| Tane | Contacts and Water Sensors |
| Virtually any other | Standard Intrusion Detectors |

ACCESS CONTROL

| | |
|-------------------|--------------------------|
| 733 | Wiegand Interface Module |
| 734 | Wiegand Interface Module |
| OP-08CB | REX Motion Detector |
| PB-2 | Request-to-Exit Button |
| Proximity Readers | and Credentials |
| DMP | ProxPatch |

WIRELESS PRODUCTS

| | |
|-----------|--------------------------|
| FA400-DMP | Wireless Receiver |
| FA426 | 16-point 900MHz Receiver |
| 738A | Ademco 32-point Module |
| 738I | ITI 96-point Module |

ACCESSORIES

| | |
|-----|-----------------------------|
| 300 | Four-wire Harness |
| 303 | Silence/Reset Push-Button |
| 305 | Plug-in Output Relay |
| 306 | Tamper Harness |
| 307 | Clip-On Tamper Switch |
| 335 | Intrusion Siren |
| 370 | Lightning Suppressor |
| 374 | Surge Voltage Suppressor |
| 431 | XR500/XR500N Output Harness |

CENTRAL STATION RECEIVERS

| | |
|---------|--|
| SCS-1R | Security Control Receiver |
| SCS-105 | Single-Line SDLC Receiver |
| NRL-101 | Network Interface Card for Sur-Gard MLR2-E |

Compatible with Central Station Receivers that accepts Standard CID, DD or DMP Serial 3 messaging

COMPUTER SOFTWARE

| | |
|--|----------------------|
| Remote Link Upload/Download | Programming Software |
| System Link End-User Management Software | |
| Alarm Monitoring Module | |
| Command Center Module | |
| Advanced Reporting Module | |

NETWORK EXPANSION

| | |
|--------|---------------------------------|
| iCOM | Internet Alarm Router |
| iCOM-E | Encrypted Internet Alarm Router |

SPECIFICATIONS

| | |
|--------------------------|----------------------------|
| Primary Power (included) | 16.5 VAC 50 VA transformer |
| Secondary Power | 12 VDC Battery |
| Models | 365, 366, 367, 368 or 369 |
| Output Rating | |
| Bell | 1.5 Amps at 12 VDC |
| Smoke and Auxiliary | 1.5 Amps at 12 VDC |
| Current Draw | 180mA |
| Enclosure material | Cold-rolled steel |
| Enclosure Color | Gray or Red |

LISTINGS AND APPROVALS

Refer to the XR500/XR500N Installation Guide (LT-0681), XR500/XR500N Programming Guide (LT-0679) and specific compliance listings for installation and programming requirements necessary to meet a particular approval.

- Underwriters Laboratories - S3598

| | | | |
|---------|--------------------------|---------|-----------------------------|
| UL 609 | Local Burglar | UL 1610 | Central Station Burglar |
| UL 365 | Police Connected Burglar | UL 1023 | Household Burglar |
| UL 1635 | Digital Burglar | UL 294 | Access Control System Units |
| UL 1076 | Proprietary Burglar | UL 985 | Household Fire Warning |
- UL 864 Fire Protective Signaling
- UL Bank, Safe, and Vault
- UL High Line Security
- NIST Validated iCOM-E Encrypted Network Alarm Router
- California State Fire Marshal - Pending



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Made in the USA

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2500 North Partnership Boulevard

Springfield, Missouri 65803-8877



NYC
MEA



The 690 and 790 Security Command, and 791 and 793 Easy Entry™ LCD Keypads from DMP offer high quality, cost-effective security and fire system controls with an easy-to-use keypad interface. Users can perform all system functions from the keypads.

The Model 791 and 793 Easy Entry™ LCD Keypads feature the added versatility of access control reader integration with codeless access. The 791 and 793 keypads allow users to present a DMP card or credential to the access control reader.

690/790 SECURITY COMMAND™ AND 791/793 EASY ENTRY™ KEYPADS

690/790/791/793 FEATURES

- 32-character, Liquid Crystal Display (LCD) panel
- Custom 16-character home or business name
- Simple harness connection to 4-wire keypad bus
- Compatible with all DMP panels
- Suitable for fire and burglary applications
- Unsupervised mode for multiple keypads per address
- 790, 791, and 793 keypads provide 4 Class B zones
- Connect door contacts directly to keypad zones
- Backlit keyboard turns *red* in alarm conditions
- View system events/user activity through keypad
- Attractive keypad housing available in several colors
- AC power LED and Armed LED
- Built-in diagnostics for easy service
- User adjustable brightness, tone, and volume controls
- Distinct fire, burglary, zone monitor, and prewarn tones

- Ambush code and panic signal
- Displays time of day, armed zones, and armed areas
- Powered from panel or auxiliary power supply
- Optional backboxes for conduit or wall mount applications
- Silence only feature allows users to silence alarm bells and still keep their system armed

791/793 FEATURES

- Allows codeless arming/disarming with access credential
- Provides "Soft-Shunt" and a 40-second entry/exit timer
- Suitable for fire, burglary, and access applications
- Built-in or external access reader capability
- Compatible with 26-bit Wiegand output readers
- Access readers connect directly to keypad
- Readers powered from 12 VDC keypad power
- Internal Form C (SPDT) door release relay



SUPERVISED AND UNSUPERVISED OPERATION

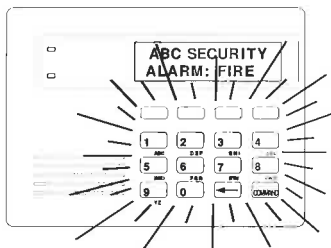
When programmed for supervised operation, the keypad occupies its own unique device address on the keypad data bus. Unsupervised operation allows you to install multiple keypads set to the same device address. This increases the number of keypads and provides maximum system operating flexibility.

BUILT-IN DIAGNOSTICS

All four keypads also contain an internal diagnostics program that allows installers and service technicians to test the keypad operation at any time without disabling the system. The diagnostics program tests the keypad prewarn tone, LCD segments and backlighting, each of the 16 keyboard keys, and the four zones on the 790/791/793 keypads.

RED BACKLIGHTING IN ALARM

The keypads additionally offer one of the most unique features found on any keypad. During an alarm condition on the system, the keyboard backlighting on the keypad turns bright *red*. This change in color from the normal *green* backlighting helps persons on-site to instantly recognize an alarm condition.



EASY USER MENU FUNCTIONS

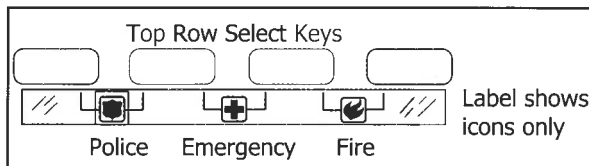
Users can access all of the functions necessary to operate and maintain their system right from the keypad User Menu. From silencing alarms and resetting sensors to displaying events, any function allowed by the user's assigned authority level can be easily accessed through the keypad. The User Menu is restricted so that a valid user code is required before access is granted to any of the functions. This protection even allows you to install the keypad in high traffic public areas without danger of unauthorized access.

USER SELECTABLE OPTIONS

Each of the Security Command™ and Easy Entry™ keypads provide a simple User Options menu through which users can change the keypad display brightness, speaker tone, and volume level.

2-BUTTON PANIC KEYS

The Security Command™ and Easy Entry™ keypads allow the top row of keys to be used as 2-button panic keys. The user simply presses and holds two of the keys simultaneously to send either a panic, non-medical emergency, or fire report to the central station.



Panic key label placement

INSTALLER OPTIONS

The Easy Entry™ keypads also provide a Keypad Options and Keypad Diagnostics menu that is available only to system installers and service technicians. Installers can enter Keypad Options to configure the keypad for the customer in many ways including setting the keypad address and changing the default keypad message. Additionally, installers can then use Keypad Diagnostics to check the LCD display segments and keyboard backlighting, and test each key.

RETROFIT ANY EXISTING DMP SYSTEM

Designed to allow easy retrofitting, the Security Command™ keypads and Easy Entry™ keypads are compatible with all existing DMP panels and wiring and require no special modules or panel upgrades. You can provide a new look and greater functionality to an existing system at just a fraction of the cost for all new equipment.

DISTINCT SOUND PATTERNS

The keypads also provide distinct sound patterns for burglary, fire, zone monitor, and prewarn that can help users identify the event occurring on their system.

MULTIPLE KEYPADS INSTALLED ON ONE RUN

Multiple keypads can also be installed on the same wire run to increase each installation cost savings.

790/791/793 FOUR ADDITIONAL PROTECTION ZONES

To reduce the expense and potential service problems inherent in "home-running" your security devices to the panel, the 790, 791, and 793 keypads provide four fully programmable Class B protection zones you can use for a variety of burglary, fire, and access control applications.

ZONE TYPE SELECTION

The zones can be programmed with any of the panel's available zone types such as night, fire, fire supervisory, panic, exit, and emergency.

ZONE DEVICE CHOICES

You can connect many different devices to the zones such as PIRs, door and window contacts, pull stations, sprinkler tamper switches, and silent panic buttons. The flexibility of this design allows you to plan the installation in a way that affords the best coverage while eliminating potential problems associated with multiple wire runs.

793 BUILT-IN PROXIMITY READER

Leading the way in security/access control innovation, the 793 Easy Entry™ keypad contains advanced, built-in proximity reader circuitry that allows users to simply present their access cards or credentials to the keypad to gain access to a protected area.

791/793 REQUEST TO EXIT FEATURE

You can also connect a normally open PIR or exit button to Zone 3 on the 791 and 793 keypads to provide Easy Exit™ feature.

791/793 EXTERNAL CARD READER CONNECTION

An external card reader can be connected to the 791 and 793 keypads in addition to internal reader capability of the 793 keypad. You can use any proximity, magnetic stripe, or other reader that outputs Wiegand format.

791/793 INTERNAL DOOR ACCESS RELAY

Each Easy Entry™ keypad contains an internal Form C dry contact relay that can be used to control door strikes or magnetic locks on entrances to buildings, offices, or restricted areas within a home or business.

791/793 SOFT-SHUNT™ MOMENTARY BYPASS

For enabling access through doors on 24-hour zones, the 791 and 793 Easy Entry™ keypads allow you to connect the door contact to zone 2 on the keypad and provide a 40-second zone shunt whenever the door is opened.



KEYPAD MODELS AND COLOR CHART

| Model | Series | Zones | Display Type | 2-Button Panic Keys | Red Keyboard in Alarm | User Options | Internal Relay | Wiegand Input | Internal Prox | Compatible Panels | Colors |
|-------|-------------------|-------|--------------|---------------------|-----------------------|--------------|----------------|---------------|---------------|-------------------|--------------------------|
| 690 | Security Command™ | None | LCD | Yes | Yes | Yes | No | No | No | All | White, Ivory, Black, Red |
| 790 | Security Command™ | 4 | LCD | Yes | Yes | Yes | No | No | No | All | White, Ivory, Black, Red |
| 791 | Easy Entry™ | 4 | LCD | Yes | Yes | Yes | Yes | Yes | No | All | White, Ivory, Black, Red |
| 793 | Easy Entry™ | 4 | LCD | Yes | Yes | Yes | Yes | Yes | Yes | All | White, Ivory, Black, Red |

KEYPAD ACCESSORIES

695 Keypad Conduit Backbox
 696 Keypad Backbox
 699 Keypad Deskstand
 LCD Replacement Housing
 Replacement Wire Harnesses

PROXIMITY CREDENTIALS

1306P Prox Patch™
 1326 ProxCard® II Proximity Card
 1346 ProxKey® II Proximity Keyfob
 1386 ISOProx II® Proximity Card
 1351 ProxPass® Active Vehicle Tag

PROXIMITY READERS

PP-6005B ProxPoint® Plus
 MP-5365 MiniProx™
 PR-5455 ProxPro® II
 MX-5375 MaxiProx®
 TL-5395 ThinLine II®
 VP-6100 Veri-Prox Fingerprint/
 Proximity Reader
 VP-6200 Biometric Fingerprint
 Reader
 SSWiLW Keypad from IEI
 SSWFX Keypad from IEI
 SSWiLM-AL Keypad from IEI
 SS/WG-Q15 Keypad from IEI

KEYPAD SPECIFICATIONS

Primary Power 8.0 VDC to 16.0 VDC
 Standby Current 100mA + 1.6mA per active zone
 Alarm Current 100mA + 2mA per active zone
 Dimensions 6.5"W x 5"H x 1"D

APPROVALS

- Underwriters Laboratories
- New York Material Equipment Acceptance (MEA)
- California State Fire Marshal (CSFM)
- Factory Mutual (FM)



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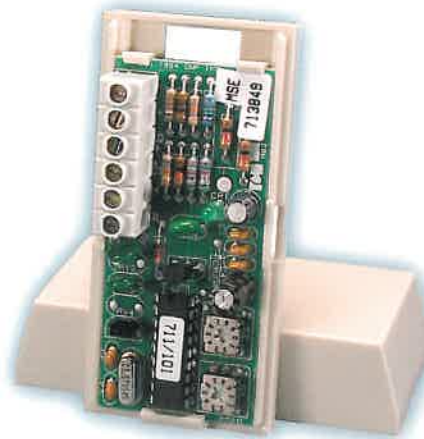
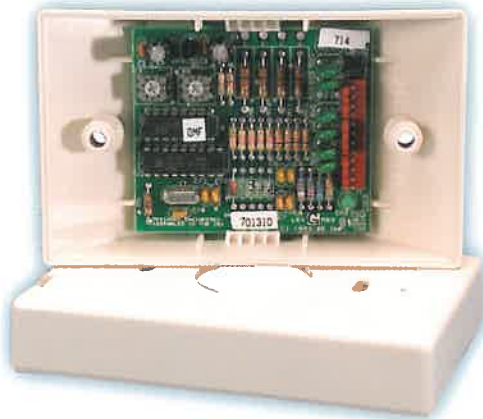
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Springfield, Missouri 65803-8877



The DMP Zone Expansion Modules provide addressable Class B burglary zones to which you can connect non-powered burglary or fire type devices to DMP Command Processor™ panels. By expanding the DMP Command Processor™ panel, the number and type of applications in which the system can be used greatly increases.

ZONE EXPANSION MODULES: SINGLE & MULTIPLE POINT

ZONE EXPANSION MODULE FEATURES

- Provides Class B zones for burglary and fire
- Compatible with DMP Command Processor™ Panels that allow zone expansion
- Suitable for mounting near protection devices
- Connect devices using 4-wire bus
- Easily mount attractive cases on wall or 3-gang box
- Compatible with all panel zone types
- Easy connection to 4-wire keypad or LX-Bus
- Proven design ensures stability and performance
- Data LED on zone expander indicates good panel communication
- Durable and attractive plastic or metal housing
- Low current draw
- Can be powered from panel or auxiliary power supply

USE ON THE DMP LX-BUS™

The modules can be used on the LX-Bus of DMP Command Processor™ Panels. The modules connect to the 4-wire bus and use only one zone address. To assign an additional zone expander use the next available zone address.

CONNECT TO KEYPAD BUS

You can also use the modules as an addressed device on the keypad data bus of DMP Command Processor™ panels.

Simply set the module to an available keypad address and connect the wiring to the appropriate screw terminals.

SIMPLE ADDRESSING

Address the 711, 714, 714-8, 714-16, 715, 715-8, 715-16, and 725 modules by setting two on-board rotary switches with a small slotted screwdriver. The 711E uses a small push button on the module for entering the device address. The 712-8 uses slide dip switches.

EASY INSTALLATION

Zone Expansion Modules are mounted in a decorative plastic housing suitable for installing outside the panel enclosure, such as on walls or single gang boxes. After all wiring connections are made, the cover snaps on to form tight-fitting protection against incidental contact or tampering.

714-8, 714-16, 715-8, and 715-16 Zone Expanders are housed in a rugged, 20-gauge, cold-rolled steel enclosure.

You may also mount the 708, 710, 710F, and 725 modules inside a DMP enclosure using the 3-hole configuration and the provided standoffs. The 712-8 only mounts using the 3-hole configuration and provided standoffs.

ZONE PROGRAMMING

Program the zone on the modules with any of the panel's available zone types for use in burglary applications including Arming type zones when used with keyswitches.

The expansion zones are programmable for plain English annunciation on Security Command® keypads connected to the panel. Each zone can also be individually programmed to report alarms, troubles, and restorals to remote DMP SCS-1 and SCS-1R Security Receivers.

708 BUS EXTENDER MODULES

The 708 Bus Extender Modules allow you to increase the length of wire used to run an LX-Bus™ or keypad bus by a maximum of 4,000 feet, while providing immunity to noise on the wires. The 708 Bus Extenders are received from the factory as a pair of modules that connect between the panel and LX-Bus or keypad bus devices.

Use the 708 Modules in applications which include running wire long distances between buildings, in noisy environments, or where the bus is bundled with other wires, such as telephone company wire. The 708 Extender can be used on all DMP panels.



708 FEATURES

- Extends Keypad Bus or LX-Bus by 4000 feet with one pair of modules
- Connects to an auxiliary power supply for added power
- Uses existing wire: No need to run additional wire
- Allows twisted pair and/or shielded wire between the 708 modules

710/710F BUS SPLITTER/ REPEATER MODULES

The 710 and 710F Bus Splitter/Repeater Modules allow you to expand the typical LX-Bus™ or keypad bus installation both in the number of devices and the length of the wire used. Each 710/710F Module increases the wire run to a maximum of 2,500 feet. When using multiple modules, the total distance of all circuits can be an incredible 15,000 feet!



710

As a splitter, the 710 provides superior mechanical wire connecting capability for up to three additional 12 VDC LX-Bus or keypad bus circuits. This makes the 710 module an excellent junction box when terminating multiple LX-Bus™/keypad bus runs at one location. As a repeater, the 710 module can be installed at the end of an LX-Bus™ or keypad bus circuit to allow an additional circuit to be added, thus increasing the total wire length.

710F

As well as providing all of the functions of the 710 listed above, the 710F also allows you to use the 725 Zone Expander to expand the number of 24 VDC zones. The 710F Bus Splitter/Repeater allows the connection of a 24 VDC power supply to the 725 to power smoke detectors and isolate the 24 Volt source from the panel. Therefore, the 710F must be used when using the 725 Zone Expander.

712-8 ZONE EXPANSION MODULE

Expand your system at an affordable price! You can connect non-powered burglary devices to DMP Command Processor™ panels using the 712-8 Module. The 712-8 Module is compatible with many intrusion contacts, glassbreak detectors, motion detectors, and intrusion detectors.



712-8 FEATURES

- Eight grounded, addressable burglary zones
- Set jumper for LX-Bus™ or Keypad bus operation
- Compatible with all DMP Command Processor™ panels
- Expand systems by daisy chaining a second 712-8
- Easily address using dip switches
- Snaps into panel enclosure using 3-hole pattern
- Separate zone 1K End-of-Line resistors included

714/715 ZONE EXPANDERS

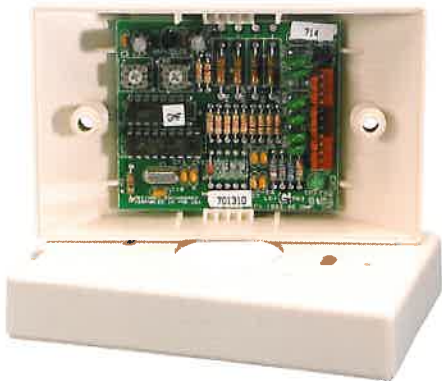
The 714 contains four Class B burglary zones and is suitable for use with 5 VDC burglary and fire devices that are normally opened or normally closed. Individual zones are supervised with 1k Ohm EOL resistors and can be programmed with any burglary or fire zone type.

The 715 contains four Class B powered zones and is suitable for use with 12 VDC, 2-wire devices such as smoke or glassbreak detectors and non-powered fire or burglary devices. Individual zones on the 715 are supervised with a 3.3k Ohm EOL resistor and can be programmed with any burglary or fire zone type.

OPTIONAL ACCESSORIES

The standard wiring harness can be replaced with the optional 718T Plug-in Screw Terminal.

The enclosure can also accommodate the 719T Terminal Boards for the 714 or the 720T Terminal Boards for the 715, which pass through the wiring of the panel's LX-Bus™. 1K EOL resistors are included with the 719T and 3.3K resistors are included with the 720T.

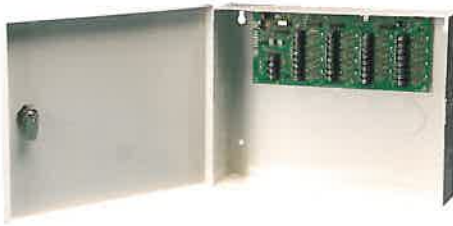


714/715 FEATURES

- Four protection zones on each module
- Comes with 12-conductor wire harness
- Optional 12-position screw terminal

714-8, 714-16, 715-8, AND 715-16 DESCRIPTION

The expanders are housed in a Model 340 locking metal enclosure and is suitable for mounting in a remote location. Each expander provides screw terminal strips for zone inputs and data bus connections, a two position jumper to designate connection to the keypad bus or the LX-Bus, and an LED to indicate communication with the panel. Separate zone End-of-Line resistors are included with each expander.



714-8/714-16 EXPANDERS

The 714-8 Expander contains 8 Class B zones. The 714-16 Expander contains 16 Class B zones. Both are suitable for use with normally open or normally closed burglary and fire devices. Individual zones are supervised with a 1k Ohm EOL resistor and can be programmed with any zone type.

715-8/715-16 EXPANDERS

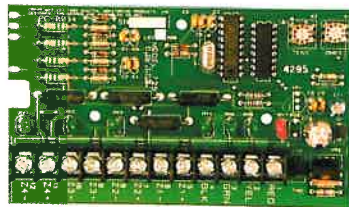
The 715-8 Expander contains 8 Class B powered zones. The 715-16 Expander contains 16 Class B powered zones. Both are suitable for use with 12 VDC 2-wire devices, such as smoke detectors and non-powered fire or burglary devices. Individual zones are supervised with a 3.3k Ohm EOL resistor and can be programmed with any zone type.

714-8, 714-16, 715-8, AND 715-16 FEATURES

- 8 or 16 protection zones per expander
- Durable metal enclosure housing with lock and key
- Individual screw terminals accommodate 14 to 22 gauge wire for easy connection
- Suitable for mounting in a remote location

725 24 VDC EXPANSION MODULE

The 725 provides four 24 VDC powered zones that enable you to connect 2-wire smoke detectors to the XR200, XR200-485, and XR2400F Command Processor® Panels. As a result, the 725 provides you the flexibility to retrofit a 24 Volt system without the need to run more wire or change to 12 Volt smoke detectors.



725 FEATURES

- Provides four 24 VDC zones
- Sensor reset performed through panel relay or 716 Output Expander
- Powered from 24 VDC power supply
- Supervised operation
- 24 Volt surge protection from 710F
- Provides ability to use 24 VDC 2-wire smoke detectors
- Easily mounted in 3-hole pattern

711/711E DESCRIPTION

The 711 and 711E Zone Expansion Modules connect to the panel's 4-wire keypad bus or LX-Bus™ and are set to an address that determines the reporting zone number. The 711 and 711E each provide one Class B zone for the connection of detection devices.



711/711E FEATURES

- Single-zone expander
- Rugged screw terminals accommodate 14 to 22 AWG
- Board fits in Radionics POPIT housing
- Address 711 with easy rotary switch
- Address 711E by pressing one button
- 711E features address-check feature

SPEC SHEET

ZONE EXPANSION MODULE COMPARISON CHART

Refer to the chart below for a comparison of the features for each DMP Zone Expansion Module.

| Module | Address | # of Zones | 3-Hole | Plastic Case | Operating Voltage | Compatible Panels |
|--------|------------|------------------|--------|-----------------|-------------------|--|
| 708 | N/A | N/A | Yes | Yes | 12 VDC | All DMP |
| 710 | N/A | N/A | Yes | Yes | 12 VDC | All DMP |
| 710F | N/A | N/A | Yes | Yes | 12 VDC | All DMP |
| 712-8 | Dip Switch | 8 | Yes | No | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 711 | Rotary | 1 | No | Yes | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 711E | 1-Button | 1 | No | Yes | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 714 | Rotary | 4 Class B | No | Yes | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 714-8 | Rotary | 8 Class B | No | Metal Enclosure | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 714-16 | Rotary | 16 Class B | No | Metal Enclosure | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 715 | Rotary | 4 Class B | No | Yes | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 715-8 | Rotary | 8 Class B | No | Metal Enclosure | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 715-16 | Rotary | 16 Class B | No | Metal Enclosure | 12 VDC | XRSuper6 XR20 XR40 XR200 XR200-485 XR2400F |
| 725 | Rotary | 4 24 VDC Class B | No | Yes | 12 VDC | XR200 XR200-485 XR2400F |

ADDITIONAL LISTINGS

- Factory Mutual approved (710, 711, 711E, 714, 715)
- New York City MEA accepted (711, 711E, 714, 715)

ZONE EXPANSION MODULE SPECIFICATIONS

708 SPECIFICATIONS

| | |
|-------------------|--|
| Operating Voltage | 8.8 to 15.0 VDC |
| Operating Current | 20mA Per Pair |
| Dimensions | 4.5"X 2.75"X 1.75" |
| Maximum Distance | 4,000 feet between the two 708 Modules |

710/710F SPECIFICATIONS

| | |
|-------------------|---|
| Operating Voltage | 8.8 to 15.0 VDC |
| Operating Current | |
| 710 | 30mA |
| 710F | 40mA |
| Dimensions | 4.5"X 2.75"X 1.75" |
| Maximum Distance | 2,500 feet (one module), 15,000 feet maximum |

711/711E SPECIFICATIONS

| | |
|-------------------|-----------------------------|
| Operating Voltage | 8.8 to 15.0 VDC |
| Operating Current | |
| Average | 7mA + 1.6mA per active zone |
| Alarm | 7mA + 2mA per zone in alarm |
| Zone Voltage | 5 VDC (1.6mA across EOL) |
| Dimensions | 4.5"X 2.75"X 1.75" |

712-8 SPECIFICATIONS

| | |
|-------------------|---|
| Operating Voltage | 8.8 to 15.0 VDC |
| Current Draw | 18.9mA minimum 33mA maximum (8 zones in Alarm) |
| Dimensions | 4.5"H x 2.5"W |

714/715 SPECIFICATIONS

| | |
|-------------------|---|
| Operating Voltage | 8.8 to 15.0 VDC |
| Operating Current | |
| 714 | Average 7mA + 1.6mA per zone Alarm 7mA + 2mA per zone |
| 715 | Average 7mA + 4mA per zone + 0.1 per 2-wire smoke Alarm 7mA + 58mA per shorted zone + 0.1 per 2-wire smoke + 30mA per smoke in alarm |
| Dimensions | 4.5"X 2.75"X 1.75" |

714-8, 714-16, 715-8, AND 715-16 SPECIFICATIONS

| | |
|-------------------|---|
| Operating Voltage | 8.8 to 15.0 VDC |
| Operating Current | |
| 714-8/16 | Average 20mA + 1.6mA per zone Alarm 20mA + 2mA per zone |
| 715-8/16 | Average 20mA + 4mA per zone + 0.1 per 2-wire smoke Alarm 20mA + 58mA per shorted zone + 0.1 per 2-wire smoke + 30mA per smoke in alarm |
| Enclosure | 20-Gauge cold-rolled steel |
| Dimensions | 12.5"W x 11.5"H x 3.5"D |
| 714-8/-16 Color | Gray |
| 715-8/-16 Color | Red |

725 SPECIFICATIONS

| | |
|-------------------|---|
| Operating Voltage | 24 VDC Nominal |
| Average Current | 8mA + 4mA per active zone |
| Alarm Current | 8mA + 4mA per active zone + 30mA per smoke in alarm + 47mA per shorted device |
| EOL Resistor | Model 316 6.8k EOL |



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The 472 Inovonics™ 900MHz Interface Card allows you to connect one or two Inovonics FA400 Remote Receivers to the Command Processor™ panels. The FA400 receivers allow you to use Inovonics FA series wireless transmitters on up to 200 of the panel's expansion zones.

The FA426 Wireless Receiver allows you to add 16 Inovonics FA series transmitters to the keypad data bus of a Command Processor™ panel. Using an Inovonics FA116 Programmer, easily program the FA426 through simple step-by-step programming prompts.

472 INOVONICS™ 900MHZ INTERFACE CARD, FA426, FA400, & FA116 WIRELESS DEVICES

SYSTEM FEATURES

- Advanced 900MHz spread spectrum radio technology
- Multi-frequency 900MHz transmissions
- Quick and easy installations
- Can be used with repeaters for better signal reception
- Variable 10, 30, or 60-second check-in times
- Wide choice of wireless protection devices

472 FEATURES

- Compatible with Inovonics FA series 900MHz wireless transmitters
- Combines hardwire and wireless points on one system
- Allows expansion up to 200 wireless points
- Easily program FA400 Remote Receivers zones from the panel
- Setup program allows easy identification of overlapped zone addresses

FA116 FEATURES

- Programs all multi-channel FA series receivers
- Sets receiver and transmitter parameters
- Automatically powers up when cable is connected to a receiver

FA400 FEATURES

- Provides up to 200 wireless points
- Connects to the 472 Inovonics 900MHz Interface Card
- Easily programmed in the panel's Zone Information

FA426 FEATURES

- Provides 16 wireless points
- Easily programmed with an FA116 Programmer
- Connects to keypad bus

WIRELESS RECEIVERS

FA400 Remote Receivers are connected to the Command Processor™ panel with a 472 Inovonics™ 900MHz Interface Card and a 4-wire harness provided with the card. The 472 is suitable for use with the FA400 Remote Receiver and FA575 Real-Time Repeater.

The FA426 16-Point Receiver connects to the keypad bus of Command Processor™ panels.

All models offer outstanding signal reception and noise discrimination features to protect against environmental obstacles and missing transmitters.

SIMPLE PROGRAMMING

Whether installing wireless with the initial installation or adding it later, the FA400 is easily programmed in Zone Information of panel programming, just like hardwired devices. The FA426 is easily programmed using an FA116 Programmer.

FA400 RECEIVER

FA400 receivers allow you to use Inovonics FA series wireless transmitters on up to 200 of the panel's expansion zones. The FA400 easily connects to the 472 Inovonics™ 900MHz Interface Card.



WIRELESS DETECTORS

Dealers can choose from a variety of transmitter types to meet the requirements of their wireless installations, including a standard transmitter for connecting remote contacts and a transmitter with an internal reed switch alarm contact. This transmitter can also be used with remote contacts attached to the building's doors or windows. Wireless smoke and glassbreak detectors and PIRs are available, as well as pendant transmitters, which users can carry to signal for emergency assistance. A signal repeater may also be installed to extend the distance at which transmitters can be located.

472 INOVONICS™ 900MHZ INTERFACE CARD

The 472 Inovonics™ 900MHz Interface card allows you to add 200 expansion zones for hardwire, wireless, or a combination of both types of devices. Hardwire devices connect to the card's 4-wire LX-Bus. The 472 Interface Card allows the connection of the FA400 Remote Receiver for the addition of wireless devices.



FA426 RECEIVER

Competitively priced for residential or small commercial applications, the FA426 Wireless Receiver allows you to add 16 Inovonics FA series transmitters to the keypad data bus of Command Processor™ panels. The FA426 mounts in the panel enclosure using the standard 3-hole pattern.



FA116 PROGRAMMER

The FA116 Executive Programmer allows you to alter the FA426 Receiver and Transmitter parameters to fit specific applications. The programmer also allows the user to monitor signal margins of points, test output functions, clear faults, and add, modify, delete, and program transmitters. Program transmitters by connecting them to the programmer using the built-in programming cable.

472 SPECIFICATIONS

| | |
|--|-------------------------------|
| Primary Power | 12 VDC from panel |
| Current Draw | 85mA |
| Dimensions | 2.25"W x 5.25"H |
| Panel Compatibility | XR200, XR200-485, and XR2400F |
| Required when using the FA400 Receiver | |

FA400 SPECIFICATIONS

| | |
|---|-------------------------------|
| Primary Power | 12 VDC from panel |
| Current Draw | 40mA |
| Panel Compatibility | XR200, XR200-485, and XR2400F |
| 472 Interface Card Required to use the FA400 Receiver | |

FA426 SPECIFICATIONS

| | |
|--------------------------------|---|
| Primary Power | 12 VDC from panel |
| Current Draw | 47mA |
| Panel Compatibility | XRSuper6, XR20, XR40, XR200, XR200-485, and XR2400F |
| Requires FA116 for programming | |

FA116 SPECIFICATIONS

| | |
|--|-------------------|
| Housing | 7.0"x 3.9"x 1.75" |
| Display | 2.4"x .625" |
| Weight | 10.9 oz. |
| Required to program the FA426 Receiver | |

INOVONICS™ RECEIVERS

| |
|----------------------------------|
| FA400 Remote Receiver |
| FA426 16-Point Wireless Receiver |

INOVONICS™ ACCESSORIES

| | |
|-------------------------------|--------------------------------|
| FA100 Command Transmitter | FA206I Inovonics PIR |
| FA113 Keychain Remote Control | FA206S Sharpshooter™ PIR |
| FA116 Executive Programmer | FA207 Glassbreak Detector |
| FA202 Smoke Detector | FA209 Wireless Bill Trap |
| FA203S Necklace Pendant | FA223S Water-Resistant Pendant |
| FA203D Necklace Pendant | FA250 High-Power Universal |
| FA205S Belt Clip | FA715 Wireless Survey Kit |
| FA205D Belt Clip | |



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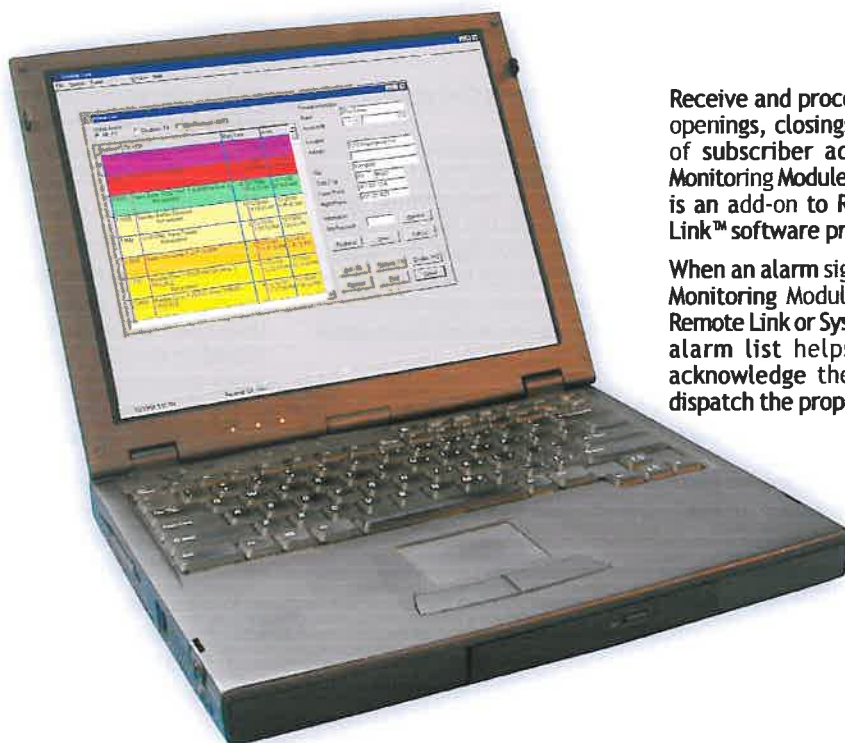
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Receive and process alarm signals, monitor openings, closings, and door access events of subscriber accounts using the Alarm Monitoring Module™. The easy-to-use module is an add-on to Remote Link™ and System Link™ software programs from DMP.

When an alarm signal is received, the Alarm Monitoring Module automatically opens in Remote Link or System Link. The color-coded alarm list helps the operator quickly acknowledge the signals and efficiently dispatch the proper authorities.

ALARM MONITORING MODULE™

SYSTEM FEATURES

- Monitor signals from subscriber accounts
- Color-coded display ensures quick recognition of alarm type
- Monitor openings and closings
- One-key acknowledgment
- Prioritizes alarm signal types
- Requires operator log-on to acknowledge alarms
- Monitor alarm signals directly using Ethernet/Internet
- Simple-to-use user interface
- Easily installs onto a PC
- Provides a hyperlink to subscriber files and information
- Monitors system troubles, such as AC failure
- Context-sensitive help file
- Purge activity, events, and acknowledged messages

MONITOR SIGNALS ONE OF THREE WAYS

Monitor alarm signals using DMP receivers, such as an SCS-1 or SCS-105, or directly using an Ethernet/Internet connection.

MONITOR OPENINGS AND CLOSINGS

The Alarm Monitoring Module allows you to monitor and print Opening and Closing events for your subscriber accounts. The module also allows you to monitor door access events at the site, providing a higher level of security by monitoring who comes and goes and when. You can send your subscribers reports of their openings and closings to keep for their records.

SIMPLE AND QUICK INSTALLATION

The Alarm Monitoring Module easily installs into your current Remote Link or System Link program. Follow the simple instructions to install and run the Module on one workstation in your company to allow for alarm processing.

EASY-TO-USE INTERFACE

When an alarm signal is received, the Alarm List will automatically open and display the alarm. If an operator is working in another part of the Remote Link or System Link program, the Alarm List opens on top of any other open windows. This easy-to-use interface helps new operators quickly learn the program, spending less time training.

OPERATOR LOG-ON

Operators must be logged onto the program before acknowledging any alarms. The required log-on helps track which operator acknowledged which alarms.

QUICK ACKNOWLEDGMENT

Operators may acknowledge alarms quickly by clicking on the Ack button or by pressing the F6 key on their keyboards. This one-key acknowledgment method allows operators to quickly acknowledge alarms allowing for a faster response time.

COLOR-CODED SIGNAL DISPLAY

Each new signal is displayed on a violet background in the Alarm List. Once acknowledged, the background color changes to represent the type of signal. For example, acknowledged fire alarms are displayed on a red background. By color-coding alarms, operators can determine the nature of the alarm signal at a glance.

ORGANIZED BY PRIORITY

Each type of message has a priority. For example, a fire alarm would have a higher priority than an AC Trouble signal. This ensures that operators acknowledge and respond to the most important signals before responding to non-life-threatening signals, such as a low AC signal.

HYPERLINK

Create a hyperlink to open files containing additional information about the site. This allows operators to learn more about the site to give proper information to the proper authorities.

SUBSCRIBER INFORMATION

Operators may view important subscriber information, such as the site's password and address. Extra information is also provided containing information about the site, such as a warning about a dog in the backyard.

ACTIVATION

Within the seven day grace period, call DMP's Customer Service to activate the program. When calling, be sure to have the serial number and the Public Key available.

ORDER INFORMATION

The Alarm Monitoring Module is sold with various account levels. Order the specific level that fits the number of accounts you intend to monitor. When you wish to add more accounts, you can simply call DMP Customer Service and upgrade Alarm Monitoring to the next account level.

SOFTWARE LICENSE LEVELS

Alarm Monitoring is licensed for use according to how many accounts you wish to monitor with the software:

- 1 - 10 account version
- 11 - 1000 account version
- 1001 - 2500 account version
- 2501 - 5000 account version

SPECIFICATIONS

Add-on Module for Remote Link and System Link.

OPERATING SYSTEM COMPATIBILITY

- Windows 95/98
- Windows NT4
- Windows 2000
- Windows ME
- Windows XP

PANEL COMPATIBILITY

The Alarm Monitoring Module is compatible with all DMP Command Processor™ panels at all firmware levels.

Note: 1812 and 1712 panels require version 301 or higher and a 984 Communicator with an RJ jack.

SYSTEM REQUIREMENTS

- 800 x 600 or higher monitor resolution
- CD-ROM drive
- One available COM port if connecting to SCS-1, SCS-105, or direct cable connection (Two for pass-through)
- NIC Card if using Ethernet connection



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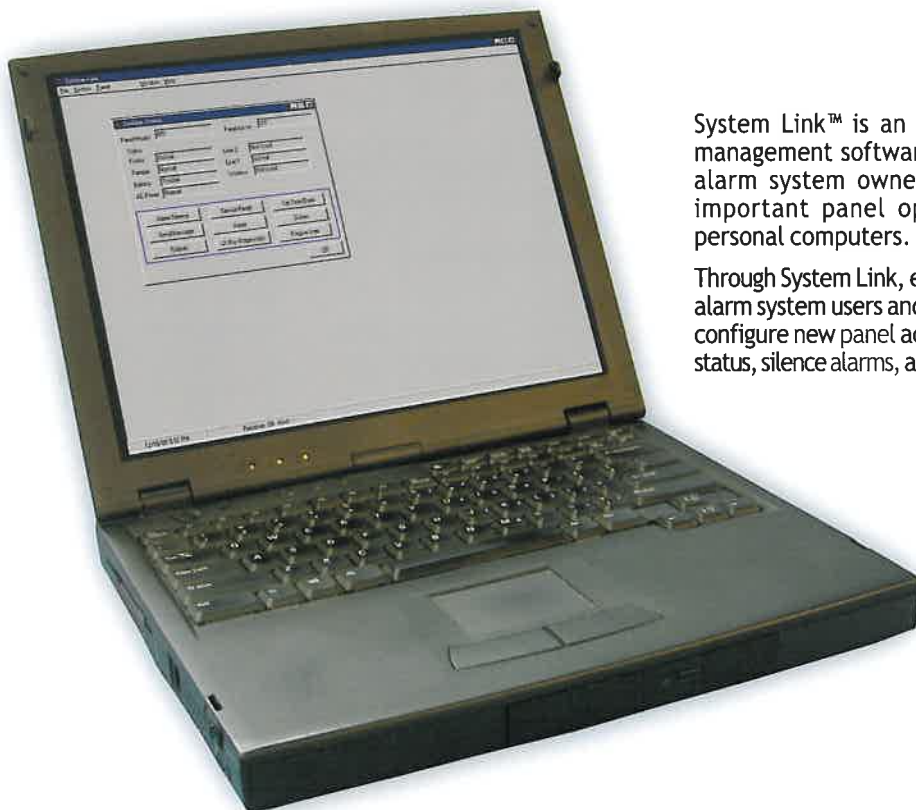
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System Link™ is an end-user alarm panel management software solution that allows alarm system owners to easily maintain important panel operations from their personal computers.

Through System Link, end-users can set up new alarm system users and System Link operators, configure new panel accounts, monitor system status, silence alarms, add users, and much more.

SYSTEM LINK™ END-USER MANAGEMENT SOFTWARE

SYSTEM FEATURES

- Provides remote panel management for all DMP Command Processor™ panels
- Stores database of panel programming files and event buffers
- Imports your existing DMP Executive Access™ database
- Displays or prints comprehensive system reports
- Unlimited account and programming files
- Control software access using customized operator authority levels
- Sorts user codes by name, code, and number
- Prints user codes alphabetically
- Verifies user codes and notifies user if duplicates are found
- Accepts user codes through the Admin Reader
- Uses operator passwords to ensure system security
- Tracks operator activity
- Features easy-to-use pull down menus and point-and-click operation
- Offers integrated context-sensitive help
- Features simple-to-use purge, compact, and repair commands for your System Link database files

CHOICE OF CONNECTIONS

DMP understands that your communication needs may not be the same as everyone else, so we offer you a variety of ways to connect to your alarm panels:

- Direct cable connection from a laptop computer
- Phone line connection through an SCS-1, SCS-1R or SCS-105 Receiver
- Ethernet network connections
- Network connection across the Internet

IMPRESSIVE FUNCTIONS

System Link™ provides all of the functions the typical end-user needs to perform routine user programming changes and monitor system status. You can create and store program files, connect to panels, perform functions such as arming, disarming, and resetting sensors, as well as downloading zone, output, and system status.

IMPORT DATABASES

System Link lets you easily import your existing database from DMP Executive Access software. This capability saves hours of account information re-entry.

AUTHORITY LEVEL ACCESS

System Link offers customizable operator authorities to control operator access to specific program functions. Programmable operator authorities helps ensure that only authorized persons access any specific functions.

EASY MENU SELECTION

Selecting any one of the menus is as simple as pressing one or two keys on the keyboard or clicking on the menu title with the mouse pointer. The example below shows the File menu open.

ACTIVATION

Within the seven day grace period, call DMP Customer Service to activate the program. When calling, be sure to have the serial number and the Public Key available.

MENU OPTIONS

The main System Link screen contains the menu bar where you access the program options.

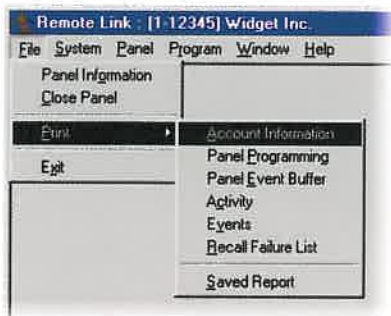
File - This menu allows you to open, close, modify, and create new account files. You may also print account information, panel programming, and panel event reports.

System - This menu allows you to log on or off from System Link, configure your System Link software, and setup your communication links with your alarm panels. You may also authorize operators, and access diagnostic information from this menu.

Panel - This allows you to connect and disconnect with your panels, and retrieve data from the panel. You can also monitor system status, silence alarms, reset alarm sensors, program output actions, set the panel's time and date, and view panel diagnostics.

Program - The program menu allows you to program holiday dates, schedules, profiles, and user codes on DMP alarm panels that offer those features.

Help - Access the comprehensive Help file from either the main menu or by pressing the F1 key. View the System Link version number and License Agreement, and register and activate System Link—all through the Help Menu.



PANEL COMPATIBILITY

System Link is compatible with all DMP Command Processor™ panels.

OPERATING SYSTEM COMPATIBILITY

- Windows 95/98
- Windows NT4
- Windows 2000
- Windows ME
- Windows XP

SYSTEM REQUIREMENTS

- Pentium Processor
- 800 x 600 or higher monitor resolution
- CD-ROM drive
- 16 MB RAM or more
- One available COM port if connecting to SCS-105 or direct cable connection (Two for pass-through)

ACCESSORIES

- | | |
|--------------------|--|
| Command Center | Visual Command and Control Software |
| Alarm Monitoring | Alarm Monitoring Software |
| Advanced Reporting | Advanced Report creation software |
| Admin Reader | Proximity Reader used to assign user codes |



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Single Line Service Receiver

Description

The SCS-105 Single Line Service Receiver provides an efficient method for performing remote command/control and file transfer operations with DMP Command Processor™ panels. The SCS-105 allows you to conduct remote uploading and downloading from any secondary service computer, eliminating the need to contact the panel through the SCS-1 Receiver system. This prevents interruption of central station operations and potential conflicts with incoming receiver reports.

As a single line receiver, the SCS-105 allows you to contact a panel over any standard phone line connected to your computer's modem. Your Installation or Service department can easily maintain control of system programming and operation from either the office or jobsite.

You can configure the SCS-105 to interface with up to 128 multiplex or 65,535 digital dialer subscriber accounts, equal to that of an SCS-1 Receiver line card.

Remote Link™ and System Link™ software

The SCS-105 is used in conjunction with either the DMP Remote Link™ or System Link™ software programs installed on any IBM compatible computer.

The SCS-105 can also receive system reports from DMP Command Processor™ panels and transfer them to the computer for display and operator acknowledgment.

Easy to use

The SCS-105 is compact and easy to transport to any location. The modem requires only a standard phone line, data connection to the computer's serial port, and AC power for the transformer.

LED Display and controls

The front of the modem displays six LEDs to indicate power, line trouble, and the phone line's current transmit and receive status. There is also a processor reset button and a volume control knob for the audible line monitor.



Features

- Dial out to DMP panels on standard phone lines
- Receive system reports from DMP panels
- Jumper selection for Dialer or Multiplex operation
- Works with any IBM compatible computer
- Built-in speaker with adjustable volume control
- Allows remote programming and control of panels
- Compatible with DMP Remote Link™ and System Link™ software
- Attractive, durable metal housing
- Front display LEDs indicate communication status
- Front display Reset button
- Modular phone connections on rear of modem
- 12 VDC operation

Specifications

| | |
|----------|--|
| Size | 10" x 5.5" x 0.5" |
| Weight | Approximately 2 lbs. |
| Software | Compatible with the DMP Remote Link™ and System Link™ software programs. |
| Power | 12 VDC - Transformer |



Presidio

Security in the 21st Century is a 24-hour commitment. Presidio is at your fingertips to meet these important demands anytime, from anywhere you have Internet access.

A highly advanced access control software system, Presidio can be run directly from your browser. This means that the complete suite of access control functions is managed without needing specialized client software on local machines.

You don't need dedicated workstations or a dedicated security network, just a PC, Web browser, Web or LAN/WAN connection.

Any alarm event can be sent automatically to your text-enabled cell phone, PDA or e-mail address. Highly secure communication protocols and 128 bit SSL encryption options ensures access for authorized company security personnel only.

Yet for all its ease of use and user-friendly applications, Presidio is tremendously powerful, designed to deliver secure access control across an entire multi-building enterprise.

Once users are authenticated with user names and passwords, they are given Web pages containing functionality appropriate to their privilege level. By setting up Presidio to be used on a daily basis, the system administrator can add other users with specific privileges in the system as needed. That's just the beginning. Card and portrait entry, door access assignments and producing helpful reports are easily accomplished. Database import/export utilizing the UDF standards make interfacing to other systems an easily managed process.

WORLD WIDE ACCESS CONTROL FROM THE WORLD WIDE WEB.

Presidio is composed of the access control hardware, access control application and a Web browser. The intelligent controller hardware with the software application over TCP/IP, through the internet/intranet, or a wireless connection. By utilizing true distributed processing the intelligent controller can determine who can and who cannot access a door.

It is also extremely flexible. Not only can one controller support up to 64 doors, but also a myriad of useful reports can be filtered in ways suitable to each customer's needs. Presidio's design allows for easy integration to any company HR database or university one-card systems. For a large corporation or university, Presidio's proven technology is the ideal solution.

Sophisticated, flexible, easy to manage.

Presidio's highly advanced access control software system is browser-based. Software is installed only on your network server, meaning there are no Presidio software licenses for workstation use. This translates into significant cost savings over other access control systems.

Presidio Features:

- ◆ Industry leading hardware with modularity for flexible, reliable solutions
- ◆ Data import/export capabilities
- ◆ Real-time event monitoring
- ◆ Multiple simultaneous users/operators
- ◆ E-mail/WAP alarm notification
- ◆ Report scheduling e-mail
- ◆ Web page administrative changes
- ◆ True distributed processing
- ◆ 256 access codes per controller
- ◆ Report scheduling
- ◆ Reports automatically sent via email
- ◆ Hardware and host I/O linking
- ◆ UDF import option can be automated
- ◆ Single or block card entry
- ◆ Zoned antipassback
- ◆ Supports all popular card technologies
- ◆ Supports biometric technologies
- ◆ User defined data fields
- ◆ 64 time zones per controller



SYNERGISTICS, INC.

9 Tech Circle, Natick, MA 01760 tel: 508.655.1340 fax: 508.651.2902 email: sales@synergisticsinc.com www.synergisticsinc.com



Synergistics
SECURE YOUR WORLD

PRESIDIO - BROWSER BASED ACCESS CONTROL

General Capabilities

The Presidio system can be viewed as having a number of different functional tasks. Once the user is authenticated with user name and password, they will be presented with a web page containing functionality appropriate to their privilege level, e.g., administrator, operator, or guard.

1. System Administration: The administrator sets up the system to be used on a daily basis. The administrator can add other users and assign them privileges, i.e., authority to perform specific functionality through out the system. The administrator will also need to set up the system company information and user defined fields. If needed the administrator performs diagnostics and database import export functions.

2. Event Monitoring the user will monitor the facility by responding to Alarms, monitoring and controlling Doors, and viewing Cardholder activity. Although Presidio monitors a facility continuously, a user must have his web browser up and be logged into the Presidio system to receive notification messages (with the exception of those explicitly routed to a pager or email).

3. Cardholder Data: the user can manage all of the cardholder records in their system. Users can add, delete, and modify cardholder database records. They can also generate cardholder data queries for downloading or printing.

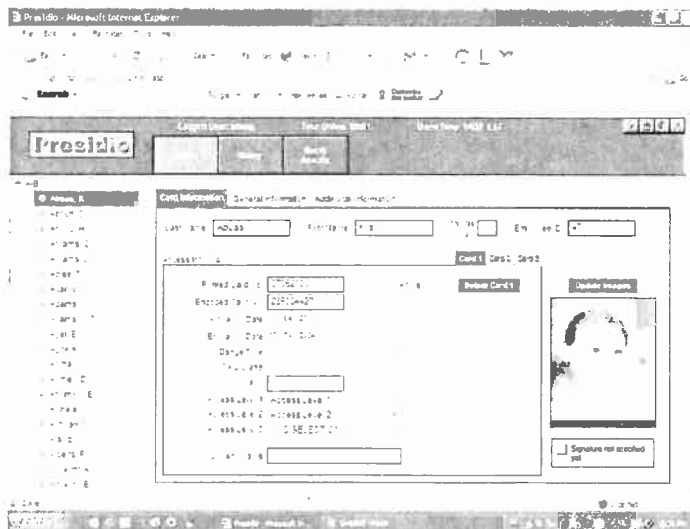
4. Reports: the user can run and schedule reports of information about the system as well as event and alarm activity.

Server Requirements

Call for up to date Server specification

Client Workstation Requirements

- ◆ Pentium II, Celeron 400 Mhz or greater
- ◆ Windows 98 or later (98, NT, 2000, XP)
- ◆ MS Internet Explorer 5.5 or later
- ◆ DSL or similar Internet connection
- Non-Dedicated - 92Kb or greater



Control your system
from anywhere you are.



Company
Server



Text events to
security staff.



Entrances to buildings can be
controlled by many state of the
art devices securely over the
Internet/Intranet

SYNERGISTICS, INC.

9 Tech Circle, Natick, MA 01760 tel: 508.655.1340 fax: 508.651.2902 email: sales@synergisticsinc.com www.synergisticsinc.com

Synergistics
SECURE YOUR WORLD

ProxPoint® Plus Reader

125 kHz Proximity

Value Priced Proximity Card Reader • 6005



ACCESS reliability.

Application

HID's ProxPoint® Plus reader combines multiple configuration options with an attractive, inconspicuous design and economical price. Its secure potted electronics are ideal for both indoor and outdoor applications.

Features

- ▶ Features a beeper and multicolor LED which can be host-and/or locally controlled.
- ▶ Enables various beeper and LED configurations, depending on individual site requirements.
- ▶ Can read HID cards with formats up to 85 bits.
- ▶ Designed for mounting directly onto metal with no change in read range performance.
- ▶ Available with either Wiegand or Clock-and-Data (magnetic stripe data) output.
- ▶ Compatible with all standard access control systems.
- ▶ Aesthetic design available in two cover designs and in four colors to match any decor.
- ▶ Includes multilingual installation manual.

Features

Specifications

Mounting Unobtrusive design can be mounted directly onto metal walls or floor mullions.

Audiovisual Indication Audiovisual indication: when a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. The multicolor LED and beeper can also be controlled individually by the host system.

Diagnostics On reader power up, an internal self test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper, and initializes reader operation. An additional external loop-back test allows for the reader outputs and inputs to be verified without the use of additional test equipment.

Indoor/outdoor Design Sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments, providing reliable performance and a high degree of vandal resistance.

Easily Interfaced Wiegand output model interfaces with all existing Wiegand protocol access control systems. Clock-and-Data (magnetic stripe) model interfaces with most systems that accept magnetic stripe readers.

Security Recognizes card formats up to 85 bits, with over 137 billion unique codes.

Warranty Lifetime warranty against defects in materials and workmanship (see complete sales policy for details).

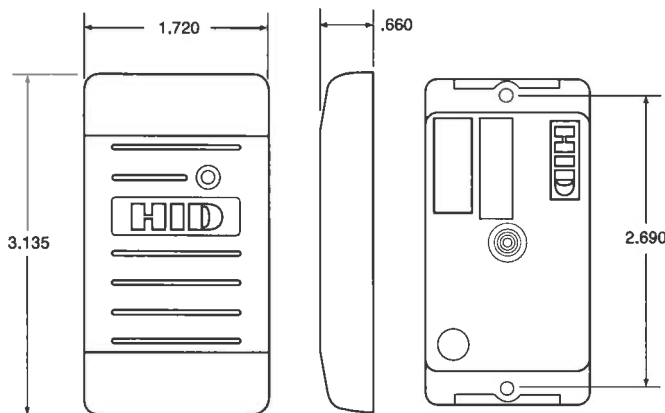
Part Numbers Base Part No. 6005B Wiegand Interface
Base Part No. 6008B Clock-and-Data Interface

Description Tri State LED, Pigtail Connection

Options

- * CLASSIC design color: clear, bronze, black, or white door
- * Design printed above door: grey, wave, blue, black or white
- * custom label
- * custom logo (see logo on drawing)

(Please see "How to Order Guide" for a description of options and associated part numbers).



Typical Maximum* Read Range

ProxCard® II card - up to 3" (7.6 cm)
ISOProx® II card - up to 2.5" (6.35 cm)
DuoProx® II card - up to 2.5" (6.35 cm)
Smart ISOProx® / DuoProx® II cards - up to 2.5" (6.35 cm)
Proximity & MIFARE® card - up to 2.5" (6.35 cm)
ProxCard® Plus card - up to 1.0" (2.5 cm)
ProxKey® II keyfob - up to 1.5" (3.8 cm)
MicroProx® Tag - up to 2" (5.1 cm)
*Depending on local installation conditions.

Dimensions

3.135" x 1.720" x 0.660" (7.96 x 4.37 x 1.68 cm)

Material: Polycarbonate (UL 94)

Power Supply

5-16 VDC
Linear power supplies are recommended.

Maximum Current Requirements

Current (DC)
Average 30 mA, Peak 75 mA

Operating Temperature

-22° to 150° F (-40° to 65° C)

Operating Humidity

0-95% relative humidity noncondensing

Transmit Frequency: 125 kHz

Weight: 2.7 oz. (75 gm)

Environmental: IP55

Certifications

UL 294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS

Cable Distance

Wiegand or Clock-and-Data interface
500 feet (150 m)
Recommended cable is ALPHA 1295 (22 AWG, 5 conductor stranded with overall shield or equivalent)



ACCESS experience.

HID Global Offices:

Corporate
North America
15370 Barranca Pkwy
Irvine, CA 92618
U.S.A.
Phone: (800) 237-7769
Phone: (949) 732-2000
Fax: (949) 732-2360

Asia Pacific
19/F 625 King's Road
North Point
Island East
Hong Kong
Phone: +852 3160-9800
Fax: +852 3160-4809

Latin America
Circuvalacion Ote. #201 B
Despacho 2
Col. Jardines del Moral
Leon 37160, Gto.
Mexico
Phone: +52 477 779 1492
Fax: +52 477 779 1493

Europe, Middle East & Africa
Haverhill Business Park
Phoenix Road
Haverhill
Suffolk
CB9 7AE
England
Phone: +44 (0) 1440 714 850
Fax: +44 (0) 1440 714 840

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For best results, please
print on recycled paper.

1401 PROXPOINT DESIGN

hidglobal.com



T.Rex

Request to Exit Detector

Features That Make a Difference:

- Zone of detection easily adjustable with pinpoint accuracy
- X-Y Targeting targets a specific area of detection
- Unlocks or shunts door automatically
- Hands-free, no buttons to push
- Integrated 90 dB local door alarm sounder independently controlled by access panel
- Infrared detection coupled with DSP prevents false "Door Forced Open" alarms
- 4 models available

T.Rex provides a complete solution to exit detection and door surveillance for access control applications. Outstanding innovations such as X-Y Targeting and DSP implementation make T.Rex the fastest and most reliable exit detector on the market today.

X-Y Targeting detects movement in very specific areas for added security. T.Rex is the first detector on the market to offer vertical targeting using two adjustable louvers located in the detection chamber. The installer "trims" the detection area by adjusting these louvers from 90° down to 5° and rotates the lens for horizontal adjustments. These two adjustments allow the installer to mount the detector so that the detection area will not "hit" the floor along the doorjamb, defeating any attempt to circumvent door supervision by sliding objects under the door.

T.Rex utilizes infrared detection coupled with DSP sampling specifically designed for access control applications. Since a truly effective exit detector must detect the extremely fast movement of a hand (the target) about to push the door or turn the door handle, the low sensitivity of intrusion detection alone is inadequate. Coupling the intrusion detection with DSP allows T.Rex to accurately detect exits and trigger appropriate "Door Forced Open" alarms.

General

| | |
|--------------------------|--|
| Detector Type | Passive infrared |
| Filter Technology | Digital Signal Processing (DSP) |
| Detector Lens | Curtain-type Fresnel lens |
| Detection Range | |
| Narrow Targeting Area | 3 m (10 ft) |
| Whole Body | 6 m (20 ft) |
| Piezo Buzzer | 90 dB at 28 VDC, 5-28 VDC, 20 mA (XL & XL2 only) |
| Main Relay Contacts | SPDT, 1A max @ 30 VDC max |
| Main Relay Timer | Adjustable, 0.5 to 60 seconds |
| Main Relay Recycle Timer | Fixed, 0.75 seconds off |
| Lock Control Relay | Available on LT2 and XL2 models only, solid-state relay, N.C., 2A max @ 30 VDC, timed at 2 seconds fixed |
| Tamper Switch | N.C., 100 mA max @ 30 VDC max |
| Indicator Light | Red/Green LED |
| Mounting | Optional backplate available for mounting the T.REX on a standard single-gang electrical box |

Physical

| | |
|------------------------|---|
| Dimensions (H x W x D) | 4.5 x 19 x 4.75 cm (1.75 x 7.125 x 1.875 in) |
|------------------------|---|

Electrical

| | |
|-------------------|------------------|
| Power Consumption | 12-28 VDC, 50 mA |
|-------------------|------------------|

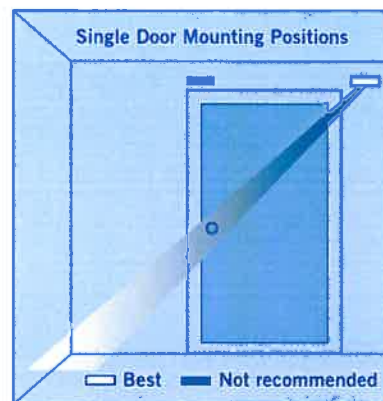
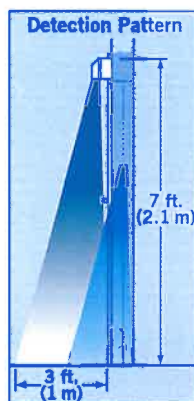
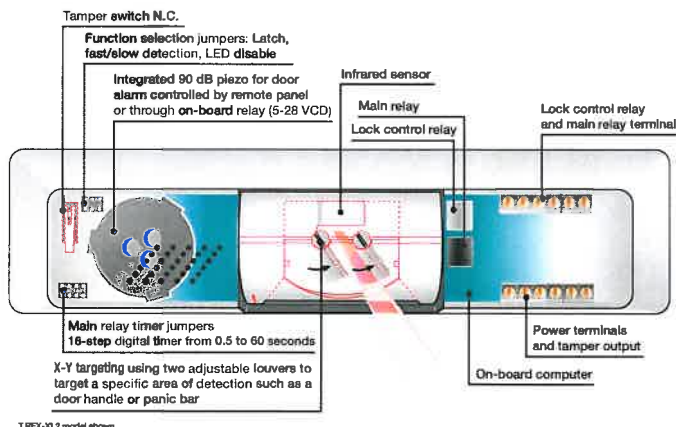
Regulatory

| | |
|----------------|---------------------|
| Certifications | UL294, CE, FCC, ULC |
|----------------|---------------------|

Model Numbers

| | |
|--------------|--|
| T.REX-LT | T.Rex request to exit detector, with tamper and timer, white |
| T.REX-XL | T.Rex request to exit detector, with tamper, piezo, and timer, white |
| T.REX-LT2 | T.Rex request to exit detector, with tamper, timer, and 2 relays, white |
| T.REX-XL2 | T.Rex request to exit detector, with tamper, piezo, timer, and 2 relays, white |
| T.REX-XLBLK | T.Rex request to exit detector, with tamper, piezo, and timer, black |
| T.REX-XL2BLK | T.Rex request to exit detector, with tamper, piezo, timer, and 2 relays, black |
| T.REX-PLATE | T.REX accessory, back plate, white |

Product Diagram



T.Rex Plate



Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region, contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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CE
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→ Honeywell.com → ACS → Security

| | | | | | | | | |
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Honeywell Access Systems

Quick Links

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N-1000 Series Controllers

Ordering Information

Product Literature

Product Search

Search by product name



Versatility, reliability and expandability are the three main features that make the N-1000 the most popular access control panel ever.

Another key feature of the N-1000 is its completely distributed database. All card information, time zone information, relay control information and alarm point information is loaded into the N-1000's memory. The unit can operate completely stand alone without dependence on any other equipment.

The most important feature of any access control system is the ability to be expanded. The N-1000 will operate as a stand alone two or four door controller, and as needs increase, up to 31 N-1000's may be connected on an RS485 drop-line.

Using WIN-PAK™ access control software, a total system is achieved by having each drop-line connected to a communication port, modem or ethernet terminal server.

N-1000 is designed to operate off-line, making access control decisions independently from a PC or other controlling device. It can also be connected to a host computer for system configuration, alarm monitoring and direct control. Connectivity to the host computer is accomplished via direct serial communication (RS232 or RS485), dial-up modem or TCP/IP network connection.

The N-1000-IV-X allows for a card database of 25,000 cards and a transaction buffer capable of storing 6,600 transactions.

Features

- Four reader control panel (N-1000-IV)

- Supports all major reader technologies and 16-digit ABA card formats
- Distributed database for independent operation
- Operates in remote site configurations with dial-up (requires M-56K and N-485-HUB-2) or leased lines
- N-1000-IV-X: 25,000 card memory N-1000-IV: 5,000 card memory
- N-1000-IV-X: 6,600 buffers N-1000-IV: 10,200 buffers
- RS485 and 20 mA legacy communications are jumper selectable
- Compatible with the N-1000-III
- 16 supervised alarm inputs. Separate inputs for tamper switch and primary power fail monitoring
- DPDT Form C relays: four on N-1000-IV, eight on N-1000-IV-X
- 63 time zones to control card access, relays and alarm points
- Relays are "time-programmable" for automatic control
- 12 VDC battery backup
- 12 VDC, 500 mA output for reader/IR devices
- Eight programmable card formats supported
- Preassembled, hinged, locking enclosure with battery and toggle switch
- UL294 listing/CE certification

Ordering Information

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Part No. Description

N-1000 Series Controllers

- N1000K4 Kit N-1000-IV with enclosure, transformer, suppressors
- N1000K4X Kit N-1000-IV-X with enclosure, transformer, suppressors
- N-1000-IV Four reader controller module, four DPDT relays, 16 supervised inputs
- N-1000-IV-X Four reader controller module, eight DPDT relay outputs and additional card capacity

Hardwired communication devices for N-1000 series controllers

- N-485-PCI-2 RS232 to RS485 single port converter

Network communication devices for N-1000 series controllers

- N485PCI2L RS485 interface for LANSRLU1
- LAN485KIT Kit with LANSRLU1 and N485PCI2L

Dial-up communication devices for N-1000 series controllers

- N-485-HUB-2 RS232 / 25 pin modem converter to RS485
- M-56K Dial-up modem

Miscellaneous

- X-4 Power transformer for N-1000
- S-4 Suppressor kit for each active relay
- BAT-3 12V 4A replacement battery

Product Literature

→ [Back to Top](#)

For product-specific literature, see list below.
For related marketing materials, [click here](#).

WIN-PAK® SE with VISTA Integration

Integrated Access Control Solutions



WIN-PAK® SE with VISTA integration is the newest version of Honeywell's most comprehensive access control software. By combining the power of access control, digital video and intrusion into one powerful system, WIN-PAK SE with VISTA integration improves scalability, capability and control.

WIN-PAK SE with VISTA integration provides a single user interface that integrates access control with video and intrusion to create a more robust platform with increased functionality. Functions that have traditionally been tied together through physical relays and input devices are now controlled logically. This simplicity gives users greater control over their systems than they had using multiple software platforms and interfaces.

The ability to connect to remote systems will help dealers reduce service calls and increase response times. By using the direct command control or a virtual keypad, real time status and control can be displayed without having to send a technician.

This is ideal for monitoring remote sites over long distances, as well as managing multiple sites from a single location. WIN-PAK's integration simplifies the access process by allowing users to arm or disarm the system with a card. Any valid card can disarm the system to prevent false alarms. This is an improvement over a typical non-integrated solution where devices are not aware of what other devices are doing.

Quick Start Wizards make WIN-PAK easy to install and program. Installers and end users will find the Quick Start Wizards helpful in installation and programming the system WIN-PAK offers advanced reporting capabilities that customers are demanding. Users can create customized reports or choose from a variety of predefined reports. E-mail capability has been added to allow reports and events to be sent via e-mail. Reports and events can be shown as easy-to-read text that provide all the content and detail that customers require.

FEATURES

- Integrate access control, digital video and intrusion integration using Honeywell's Rapid Eye™ Multi-Media Series and Fusion Series DVRs, and VISTA-128FBP and VISTA-250FBP controllers
 - Arm or disarm with a card read
 - Record and playback access or intrusion events and alarms
 - Multiple camera control, including PTZ
 - Programmable camera presets
 - Synchronized video playback
 - Alarm video popup and user verification
 - Synchronized video playback with access or intrusion alarms or events
- Manage cardholders through multiple locations
- Available as single or five concurrent operator workstations
- Quick start setup and configuration wizards
- Real-time alarm/event monitoring
 - 99 priority levels
 - Control and response, including acknowledge, clear, annotate, live video, recorded video
 - Manual override, lock and unlock doors, shunt/unshunt zones and input points
- Manual override of system functions
 - Lock and Unlock doors
 - Arm/disarm partitions and zone
 - Bypass/Un-Bypass Zones
- Generate predefined or customized reports using easy templates
- Schedule e-mail or printed reports
- CCTV control interface to most popular matrix switchers
- Schedule guard tours
- Enhance elevator control
- Global anti-passback processing
- Content-sensitive help screens
- Dynamic floor plans
 - Control devices
 - Floor plan linking
 - Acknowledge/clear alarms
 - Visual feedback
- Operating systems supported: Windows® Vista Enterprise, Windows® Vista Business, Windows® XP Professional SP2 and Windows® 2003 Server*

*SQL Server™ 2005 or SQL Server™ 2005 Express Edition must be loaded on the computer before WIN-PAK SE is installed.

WIN-PAK® SE with VISTA Integration

Integrated Access Control Solutions

BENEFITS



Seamless Integration

WIN-PAK SE with VISTA integration brings together Honeywell's WIN-PAK access control system, VISTA intrusion control panel, Rapid Eye Multi-Media Series DVRs and LobbyWorks™ Visitor Management System. The ability to integrate these technologies from one manufacturer now makes it easier for major enhancements to existing systems, or to significantly improve the operation of new security systems. This practically eliminates the confusion and compatibility issues brought on by different systems from many manufacturers.

Enhanced Security



The integration to the Rapid Eye Multi-Media Series DVR extends storage space and facilitates easy identification, retrieval and playback of events and alarms. Access or intrusion events can provide operator notification alerting users to view live video or easily retrieve video playback of access or intrusion events directly within WIN-PAK SE.



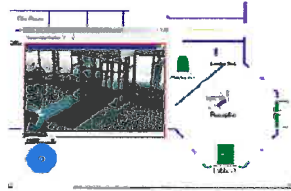
No Need to Retrain

WIN-PAK SE integrates with Honeywell products that have been trusted by customers for years. WIN-PAK, VISTA and Rapid Eye provide a familiar look and feel to existing installations and require little or no additional time for installation and programming.



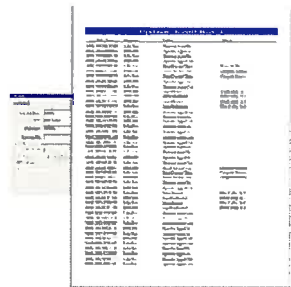
Fast and Easy Setup

Setup is quick and easy using the WIN-PAK SE quick start wizards. Wizards make programming simple by taking users step-by-step through installation and programming.



Increased Intrusion Function

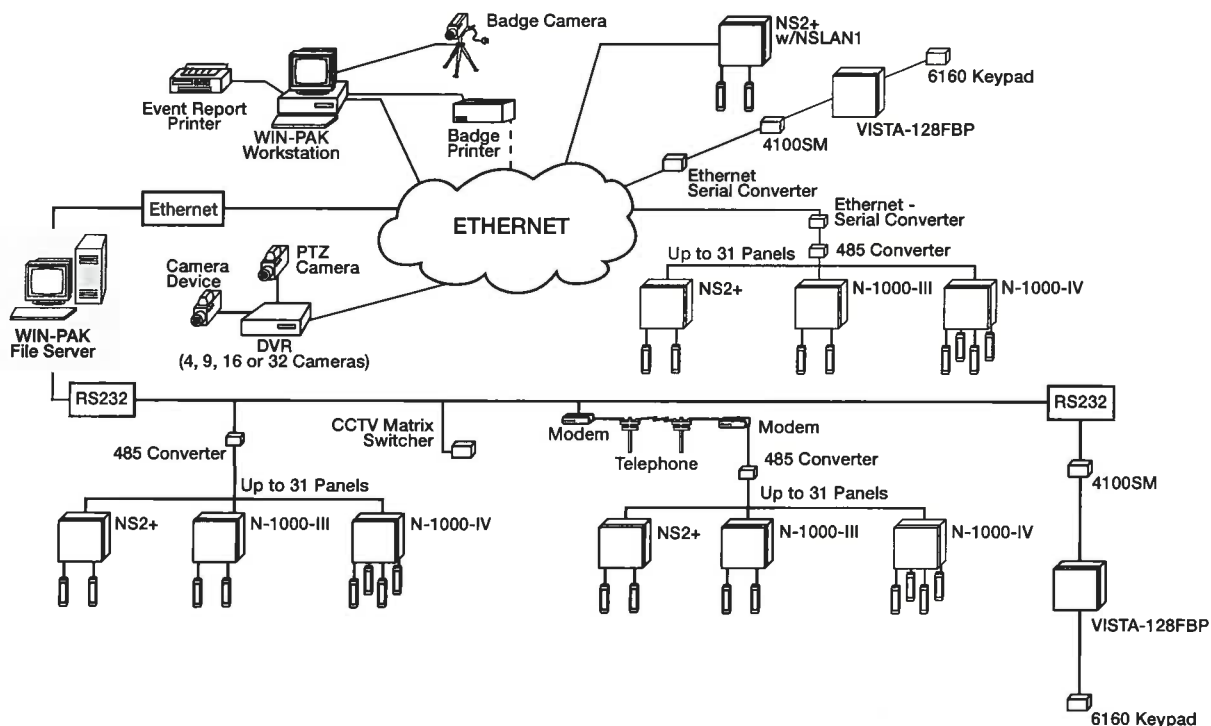
Add WIN-PAK SE to an existing VISTA-128FBP or VISTA-250FBP installation and take advantage of the powerful functionality of the software. Enhanced functions include dynamic graphical floor plans, customized report generation for intrusion events and user actions, on-screen virtual keypad, real-time event and alarm reporting, and more.



Reduce False Alarms, Unauthorized Access

WIN-PAK SE with VISTA integration reduces unwanted alarms caused by improper keypad operation, incorrect codes or unauthorized access to sensitive areas. Reports can be generated to help businesses improve on their operating efficiencies.

CONFIGURATION



WIN-PAK® SE with VISTA Integration

Integrated Access Control Solutions

ORDERING

Software

| | |
|----------------|--|
| WPSE | WIN-PAK SE Access Control Software, 1 User |
| WPSEU5 | WIN-PAK SE Access Control Software, 5 Users |
| WPSEV | WIN-PAK SE Access Control Software with VISTA Integration, 1 User |
| WPSEU5V | WIN-PAK SE Access Control Software with VISTA Integration, 5 Users |

Upgrades

| | |
|-----------------|------------------------------------|
| UWPPSE | Upgrade WIN-PAK 2005 to WIN-PAK SE |
| UWPSEV | WIN-PAK SE VISTA Add-On, 1 User |
| UWPSEU5V | WIN-PAK SE VISTA Add-On, 5 Users |

Integration Kits

| | |
|---------------|---|
| WPAB1 | Access and Intrusion Integration Kit with WIN-PAK SE, NS2+, VISTA-128FBP, (2) OP30HONE, 6160, 4100SM, N-485-PCI-2 and Accessories |
| WPAB2 | Access and Intrusion Integration Kit with WIN-PAK SE, NS2+, VISTA-128FBP, (2) OP30HONE, 6160, LAN Adaptors and Accessories |
| WPAB3 | Access and Intrusion Integration Kit with WIN-PAK SE, NS2+, VISTA-250FBP, (2) OP30HONE, 6160, 4100SM, N-485-PCI-2 and Accessories |
| WPAB4 | Access and Intrusion Integration Kit with WIN-PAK SE, NS2+, VISTA-250FBP, (2) OP30HONE, 6160, LAN Adaptors and Accessories |
| WPAV1 | Access and Video Integration Kit with WIN-PAK SE, NS2+, (2) OP30HONE, LAN Adaptors, HRM60N1000 DVR and Accessories |
| WPAV2 | Access and Video Integration Kit with WIN-PAK SE, NS2+, (2) OP30HONE, LAN Adaptors, HRM60CD1000 DVR and Accessories |
| WPABV1 | Access, Intrusion and Video Integration Kit with WIN-PAK SE, NS2+, VISTA-128FBP, (2) OP30HONE, 6160, LAN Adaptors, HRM60N1000 DVR and Accessories |
| WPABV2 | Access, Intrusion and Video Integration Kit with WIN-PAK SE, NS2+, VISTA-128FBP, (2) OP30HONE, 6160, LAN Adaptors, HRM60CD1000 DVR and Accessories |

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For more information:

www.honeywellaccess.com

Honeywell Security

Honeywell Access System
2700 Blankenbaker Pkwy, Suite 150
Louisville, KY 40299
800-675-3364

www.honeywell.com



L/WNPKVD/D
April 2008
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INTEGRATION CAPABILITIES

Honeywell's innovative WIN-PAK SE with VISTA and Rapid Eye Multi-Media Series combines three leading products into a solution powerful enough to handle virtually any integrated security requirement. The unique combination of access control, video and intrusion also saves time and money by reducing training and labor.

Key Integration Features

- Grant access and disarm system on valid card read
- Arm system on valid triple card read
- View live video from up to 16 cameras simultaneously
- Valid/invalid cardholder verification
- Arm/disarm video verification
- Pop-up video on access or intrusion function
- Virtual alarm touchpad
 - View intrusion control panel status
 - Vista keypad control through WIN-PAK software
- Live system control
 - Arm/disarm intrusion system
 - Multiple partition control
 - Bypass/unbypass doors
 - Live camera view, including PTZ

Key Integration Benefits

- Save time and money by managing three separate systems with one easy-to-use software interface.
- Improve the level of security by eliminating user code sharing. Increase security by using a unique card to disarm a system and grant access at the door.
- WIN-PAK SE software interface allows users to retrieve and play back alarms associated with intrusion and access control.

- Automated reporting allows users to send up-to-date reports on intrusion and access events hourly, daily, weekly or monthly.
- Reduce employee down-time by only requiring training on one system.
- Align WIN-PAK SE with VISTA integration with existing system needs for an added level of security.
- Expand to meet current and future needs. Start with access and add video or intrusion later as requirements change.

Typical Applications

- Office buildings
- Day care centers
- Pharmacies
- Light industrial
- Warehouses
- Schools/universities
- Hospitals/medical offices
- Restaurants
- Convenience stores
- Retail establishments

SUPPORTED INTEGRATION DEVICES



WATER SENSOR WITH RELAY CONTACT



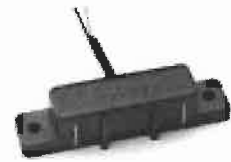
- ◆ Will Detect Any Conductive Non-Flammable Liquid
- ◆ Ideal Anywhere Water Damage Could Occur
- ◆ Automatic Reset ◆ 6 Foot Jacketed Lead Standard
- ◆ Custom Lead Lengths Available
- ◆ Available in 5 VDC, 12 VDC And 24 VDC
- ◆ Closed and Open Loop Versions

Undetected water damage, such as that caused by leaking pipes or corroded water heaters, cost homeowners tens of thousands of dollars each year. Such repairs are time consuming and costly to correct. Applications could include computer room sub-floor areas, telephone equipment rooms, bathrooms, laundry rooms, any areas adjacent to a water storage tank or piping. Also evaporative air conditioners, drip pans, overflows and/or drains.

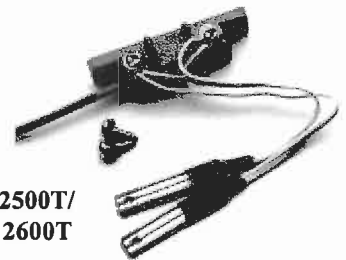
Using no mechanical parts, the GRI Water Sensors are triggered by a moisture bridge across the sensor contacts. The GRI Water Sensors can be installed to detect a layer of water as minute as 1/16 of an inch in depth.

The 2600 Closed Loop Sensors use an external power source to energize a built-in relay contact so battery power is not recommended. Used in a closed loop configuration, an alarm condition will occur when moisture is detected, or if power to the sensor is lost, and if the sensor should fail. The relay output can be wired directly to any alarm panel or can be used to actuate an external device, i.e. transmitter, annunciator, etc.

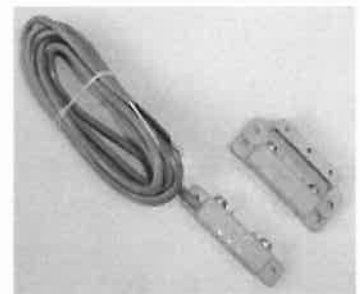
The 2500 Open Loop Sensors use an external power source which will energize a built-in relay contact when water is detected. With this configuration the sensors are not fail safe. The relay output can be wired directly to any alarm panel or can be used to actuate an external device, i.e. transmitter, annunciator, etc.



2500/2600



2500T/
2600T



2500K/2600K

PART NUMBERS:

Closed Loop Configuration

| | |
|------------|--|
| 2600/2600T | Normally Closed For a Closed Loop Circuit 12 Volts DC |
| 2600T-P | Remote Sensor With 36" Leads (Works with 2600T and 2500T) |
| 2605 | Normally Closed For a Closed Loop Circuit 5 Volts DC |
| 2624 | Normally Closed For a Closed Loop Circuit 24 Volts DC |
| 2600K | Normally Closed For a Closed Loop Circuit 12 Volts DC (W/1 - 2600T-PHS Sensor) |
| 2600T-PHS | Remote Sensor Case With Terminal Connections for 2600K and 2500K |

Open Loop Configuration

| | |
|------------|---|
| 2500/2500T | Normally Open For an Open Loop Circuit 12 Volts DC |
| 2600T-P | Remote Sensor With 36" Leads (Works with 2500T and 2600T) |
| 2505 | Normally Open For an Open Loop Circuit 5 Volts DC |
| 2524 | Normally Open For an Open Loop Circuit 24 Volts DC |
| 2500K | Normally Open For an Open Loop Circuit 12 Volts DC (W/1 - 2600T-PHS Sensor) |
| 2600T-PHS | Remote Sensor Case With Terminal Connections for 2500K and 2600K |



WATER SENSOR WITH RELAY CONTACT

INSTALLATION NOTES:

G.R.I. 2505, 2605, 2500, 2600, 2524 and 2624 Water Sensors: When connecting these sensors to the panel, the red wire is connected to the positive side of the auxiliary power supply and the black wire is connected to the negative. The green and white wires can then be connected to the pre-selected Closed Loop zone. A resistor can be connected in series with either the green or white wire for those panels that require end-of-line resistors.

G.R.I. 2500T, 2600T, 2500T-P, 2600T-P, 2524T, 2624T, 2500K, and 2600K Sensors: Provide a means of detecting water in difficult to monitor locations, such as under carpets and in drop ceiling panels. This is accomplished by mounting 1 or more 2600T-P or 2600T-PHS's in various locations around the area to be monitored, then run the sensor wires to the terminal screws on the 2600T or 2624T. These can then be wired for power as described above for the 2600 Water Sensor. The 2500T and 2600T include two 2600T-P sensors. (A maximum of ten 2600T-P's can be connected to each 2600T.) The 2500K and 2600K include one 2600T-PHS sensor.

After installation these units should be tested with a damp sponge or paper towel and inspected annually. If there is any corrosion or damage the sensor should be replaced.

CLOSED LOOP SPECIFICATIONS:

Power Requirements:

| | |
|------------------------|-------------|
| 2600 Operating Voltage | 12 Volts DC |
| 2605 Operating Voltage | 5 Volts DC |
| 2624 Operating Voltage | 24 Volts DC |
| Operating Current | 12 mA |

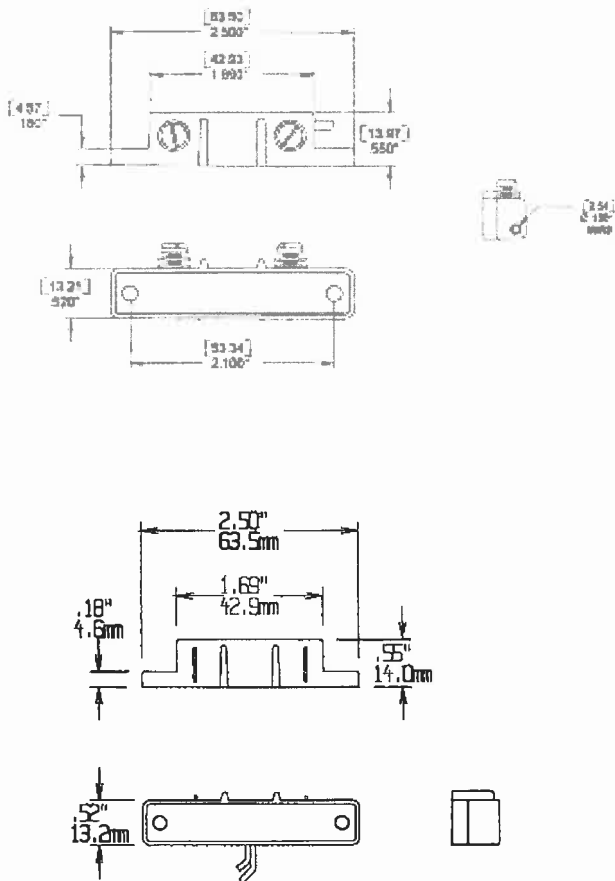
Wire Contacts:

| | |
|------------|---------------|
| Red Wire | +12 Volts DC |
| Black Wire | - Ground |
| Green Wire | Relay Contact |
| White Wire | Relay Contact |

Contact Characteristics:

| | |
|--------------------|------------|
| Contact Resistance | 100 mΩ |
| Switching Voltage | 30VDC Max |
| Switching Current | 500 mA Max |
| Power | 250mW Max |

*Note: Battery Power Not Recommended



WARRANTY:

One year warranty against workmanship, material and factory defects.

GEORGE RISK INDUSTRIES, INC.
G.R.I. PLAZA
KIMBALL, NE 69145



MADE IN U.S.A.

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TOLL-FREE 1-800-523-1227

(308) 235-4645

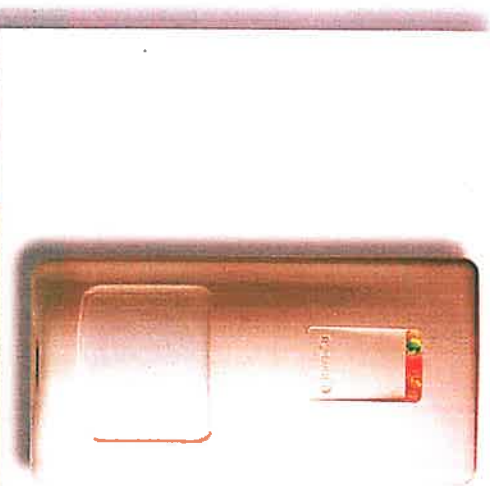
FAX (308) 235-3561

E-MAIL: grisales@megavision.com

WEB SITE: www.grisk.com

COSMOS DT Series

Intelligence and Sheer Elegance
Microprocessor controlled dual technology motion detectors



The stunningly designed **COSMOS DT** series of dual technology (infrared and microwave) motion detectors includes: **RK110, RK115 & RK125** models especially suitable for harsh residential or commercial environments. Using both infrared and microwave channels to improve false alarm immunity the **COSMOS DT** range will help solve your installation problems. The **COSMOS** family also includes a range of PIR, wireless and wireless ready detectors in the same attractive, elegant housing.

COSMOS DT FEATURES

- **Dual IR and MW Technologies**
- **Microprocessor Controlled**
- **Patented True Temperature Compensation**
- **Microwave Range Adjustment**
- **Pigmented Lenses**
- **Creep Zone**
- **Alternate Polarity Pulse Count**
- **Low Current Consumption**
- **High RFI Immunity (Metal Shield)**
- **Anti - Fluorescent Interference**
- **Signal Processing**
- **Ceiling & Wall / Corner Mount**
- **Swivel Brackets**
- **Memory and Form-C Relay Models Available**

COSMOS DT Series

The elegant solution for installations in harsh residential or commercial environments.

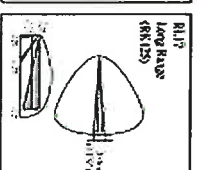
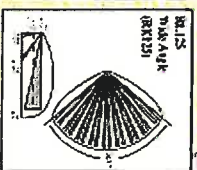
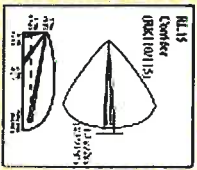
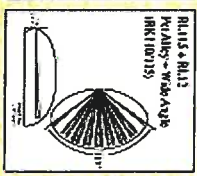
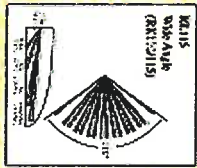


SPECIFICATIONS*

| | |
|-----------------------|---------------------------------------|
| Operating Voltage | 9 & 16 Vdc regulated |
| Current Consumption | 10mA |
| Alarm Contacts | NO, NO/NC, 2A Vdc maximum |
| Target Coverage | NO, 180°/24 Vdc maximum |
| Alarm Time | 21 seconds minimum |
| When Up Time | 2 minutes |
| RF Immunity | 30 V/m at 10 MHz to 1 GHz |
| Operating Temperature | 0°C to 55°C (32°F to 131°F) |
| Storage Temperature | -20°C to 60°C (-4°F to 140°F) |
| Dimensions | 128 x 64 x 50 mm (5.1 x 2.5 x 1.9 in) |

* Specifications are subject to change without prior notice.

| ACCESSORIES | RK110 | RK115 | RK125 |
|-----------------------------|-------|-------|-------|
| Wide Angle Lens (supplied) | RL15 | RL15 | RL15 |
| Long Range Lens | *** | *** | RL17 |
| Creep Lens | RL15 | *** | *** |
| Display unit | RA12 | *** | *** |
| Ceiling - recessed Mount | RA80 | | |
| Wall Mount - recessed Mount | RA91 | | |



Combining both infrared and microwave capabilities to eliminate false alarms the **COSMOS DT** series includes three standard models **RK110, RK115, & RK125** for 10m (33'), 15m (50') and 25m (83') ranges. Both technologies must verify an intrusion for the alarm to be activated. The microwave range is user adjustable to make it suitable for all size rooms or premises.

Utilizing all the advanced features of the **COSMOS** family such as microprocessor control, Patented True Temperature Compensation proprietary algorithms, pigmented lenses, creep zone and more, the **COSMOS DT** detectors come with a range of lenses, pet alley inlets and mounting swivels. Memory and form C models are available.

COSMOS DT range includes, **UL, UL/C, AFNOR, IMQ, BVVO & SCB** approved versions as well as **PIR, Wireless, Wireless Ready and LUNAR** ceiling mount units. Contact your nearest **ROKONET** branch or distributor for details.

ROKONET SECURITY SYSTEMS
<http://www.rokonet.com>



ROKONET Biometrics Ltd.
14 Haddon St.
75655 Bisham Leighton, Dorset
Tel: +972 (0)1 9616555
Fax: +972 (0)1 9616584
E-mail: info@rokonet.co.uk

ROKONET USA
Tel: +1 914 592 1068
1 800 544 2025
Fax: +1 914 592 1271

ROKONET UK
Tel: +44 (0)1527 576765
Tel/Fax: +39 (0)297 290531

ROKONET ITALY
Tel: +44 (0)1527 576765
Tel/Fax: +39 (0)297 290531

ROKONET GERMANY
Tel: +49 (0)821 742660
Fax: +49 (0)821 742399

ROKONET FRANCE
Tel: +33 (0)143 67 0077
Fax: +33 (0)143 67 0077

ROKONET SPAIN
Tel: +34 (0)91 43 67 0077
Fax: +34 (0)91 43 67 0077

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DUO SERIES

Dual Technology Motion Detectors



Features

- *Small, size aesthetic design*
- *True Motion Recognition™ (patented)*
- *Microwave supervision*

Benefits

- *Ideal for the home and office*
- *Unparalleled false alarm immunity*
- *Peace of mind*



Visonic Ltd

Committed to Advancing Security



DUO- DUAL TECHNOLOGY



The DUO series of dual technology detectors represent a leap forward in performance and reliability compared to conventional threshold based detectors.

Until now, detector manufacturers have had to compromise between false alarm immunity and catch performance when using threshold-based dual technology sensors. The DUO series spells the end of threshold based-detection. It is the first detector to offer True Motion Recognition™ - a technology that incorporates the powerful decision making capabilities of Fuzzy Logic. The result is a detector that virtually eliminates false alarms that trigger conventional threshold detectors.

How do threshold type detectors work?

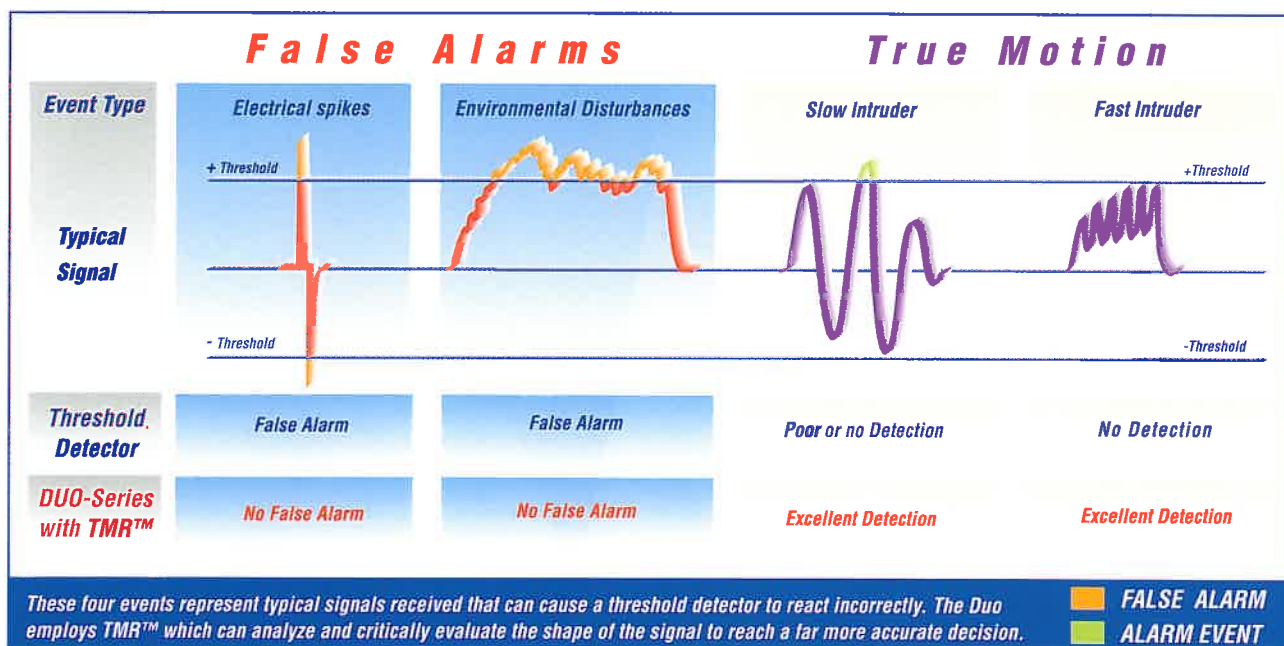
Threshold detectors have a pre-defined level that a signal must exceed before it is "counted" as an event. Some may require multiple events in different polarities and times, yet all of them only require sufficient amplitude or strength to be considered a valid signal. The problem inherent in these detectors is that signal strength is not the only factor needed to determine whether an event is true motion or a false alarm. In reality, there are many false alarm stimuli that can produce signals which exceed the threshold. Conversely, true motion can go undetected because signals fail to surpass the threshold (see diagram below).

What is TMR™?

TMR-True Motion Recognition™ (Patented) software analyzes all signals. It identifies true motion based on known criteria. These criteria include speed of target, direction of target, signal strength and pattern of target, superimposed noise, room temperature and more. By utilizing the power of a fuzzy logic system, TMR™ has the unique capability to evaluate the relationships that exist between all of these key factors. Since the DUO series goes far beyond detecting signal strength, it is able to distinguish between true motion and false alarms like no other motion detector.

The DUO series - the first dual-technology sensors that look at home in a home

Visonic Ltd. research engineers made a breakthrough in the miniaturization of microwave technology and developed the smallest and most attractive dual technology detector in the industry. The DUO series detectors small size combined with a sleek, contemporary design makes them the ideal choice for the home or office.



MOTION DETECTORS

Three models to suit any installation

The DUO series includes three models designed to suit any application: Both the DUO 200 and DUO 220 provide a 40' X 40' (12 x 12 m) coverage pattern at 90°. DUO 220 provides added protection with an anti-sabotage lookdown zone. Both are designed for wall or corner mounting in residential and commercial applications. DUO 240 is a ceiling mounted sensor with a 360° coverage pattern, also perfect for residential or commercial use. Dual LED's, adjustable microwave range, low current drain and microwave supervision are just a few of the features designed to make installation fast and easy for all DUO models. Three optional swivel brackets are available to provide added flexibility in system design and installation

Finally, there's no compromise. The power of True Motion Recognition™ technology eliminates false alarms and ensures perfect catch performance, providing you with peace of mind like never before. You'll love the sleek aesthetic design that allows you to install the DUO where you need it - without complaints. Never before has so much performance been packed into a dual technology sensor. Don't compromise, choose the DUO.

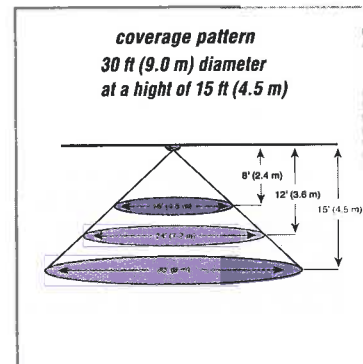
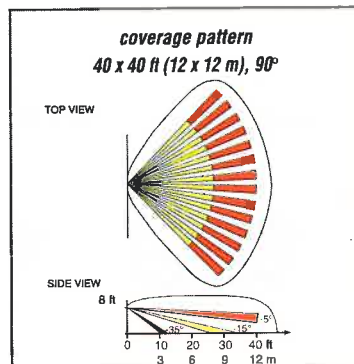
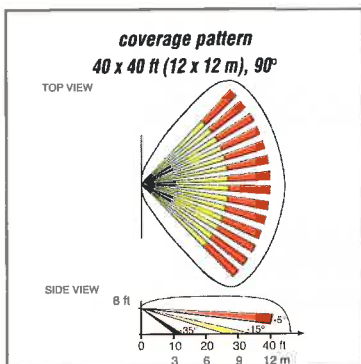
DUO 200



DUO 220



DUO 240



DUO 200 - Inside view



DUO SERIES

Specifications

Detection Range

DUO 200 - 40 x 40 ft (12 x 12 m)

DUO 220 - 40 x 40 ft (12 x 12 m), anti sabotage lockdown zone

DUO 240 - A conical pattern of maximum 30 ft (9.0 m) when mounted on a 15 ft (4.5 m) ceiling.

Electrical

Input Voltage: 9-16 VDC

Current Drain: 23 mA at 12 VDC

Relay Output: Normally closed, 0.1 A resistive / 24 VDC.
18 Ohm resistor in series with contacts.

Tamper Contacts: Normally closed, 0.1 A resistive / 24 VDC.

Trouble Output: Open collector short to ground.

Environmental

Operating Temperature: 14° F to 122° F (-10° C to 50° C)

Storage Temperature: -4° F to 140° F (-20° C to 60° C)

RFI Protection: Greater than 30 V/m (20 MHz to 1000 MHz)

Microwave Characteristics

Frequency: 10.525 GHz in USA, 2.45 GHz in Europe.

Oscillator: Microstrip DRO stabilized type

Range Adjustment: 25% to 100%, 10 to 40 ft (3 to 12 m)

PIR Characteristics

True Motion Recognition™: Fuzzy logic processing with selectable motion event recognition

Physical Characteristics

Dimensions:

DUO 200 - 2.4 x 4.1 x 1.3 in (104 x 60 x 32 mm)

DUO 220 - 2.4 x 4.1 x 1.38 in (104 x 60 x 35 mm)

DUO 240 - 1 x 1.34 in (24 x 86 mm)

Weight:

DUO 200 - 2.8 oz (80 gr)

DUO 220 - 3 oz (86 gr)

DUO 240 - 2 oz (54 gr)

Patents U.S. Patent 5,237,330; Des. 346,567 (other patents pending)

Head Office (Israel): Tel (972-3) 6456789, Fax (972-3) 6456788
 Visonic Inc. (U.S.A.): Tel (860) 243-0833, (800) 223-0020, Fax (860) 242-8094
 Visonic Ltd (U.K.): Tel (01767) 600857, Fax (01767) 601098
 Visonic Iberica (Spain): Tel (34-1) 413-4575, Fax (34-1) 413-4597
 Visonic GmbH (Germany): Tel (49-2173) 32422, Fax (49-2173) 32416
 Visonic Ltda (Latin America): Tel (598-2) 776-170, Fax (598-2) 776-169
 Internet Web site: www.visonic.com

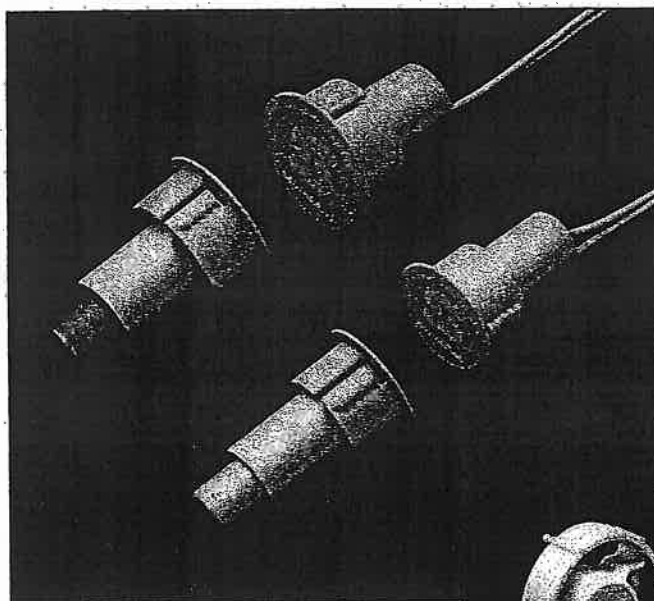


Visonic Ltd

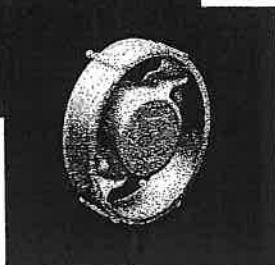
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SENTROL

PRODUCT INFORMATION BULLETIN



*Optional 1840
Rare Earth Magnet*



1078/78C SERIES MAGNETIC CONTACTS

3/4" and 1" Steel Door Contacts

Model numbers:

(R)1076, 1076W, (R)1076C, 1076CW, (R)1076D,
1076H, 1076CH, (R)1078, 1078W, (R)1078C,
1078C1, 1078CW



- Designed specifically for use in steel doors
- Special ribbed sides allow for easy installation
- Rugged unibody construction for maximum durability and reliability
- Regular, Wide Gap, SPDT, DPDT, and High Security models available
- Rare Earth Magnet designed for steel door with top channel available

The Sentrol 1078 Series Steel Door contacts are designed specifically for use in the steel doors commonly found in commercial building applications. The unique housing design features a rugged unibody construction with flexible ribbed sides for quick, secure installation without gluing. The magnet housing isolates the magnet from the surrounding steel for maximum gap distances, both make and break. Over ten models including: Wide Gap, SPDT, DPDT, and Biased for High Security applications make the 1078 Series the most widely used and comprehensive line available.

An optional Rare Earth Magnet is available. It is designed for use in metal entry/exit doors with a channel in the top of the door. The magnet eliminates the need to cut a mounting hole in the door channel. The flexible magnet housing can be compressed to accommodate a variety of channel widths for quick, easy installation. Adhesive is recommended.

continued

Sentrol 1078/78C Series

Architects and Engineering Specifications

The contact contains a hermetically sealed magnetic reed switch. The reed shall be potted in the contact housing with a polyurethane based compound. Contact and magnet housing shall snap-lock into a 3/4" or 1" dia. hole. Housings shall be molded of flame retardant ABS plastic. Color of housings shall be off-white, grey or mahogany brown. The magnet shall be made of Alnico V. Rare Earth Magnet shall be made of neodymium iron boron.

Designed for Use in Steel Doors

Snap-lock insulation bushing for tight fit and maximum gap in steel.

Rugged Unibody Construction for Maximum Durability and Reliability

Both contact and magnet plastic housings are constructed of one piece of thick-walled ABS plastic for maximum strength and durability.

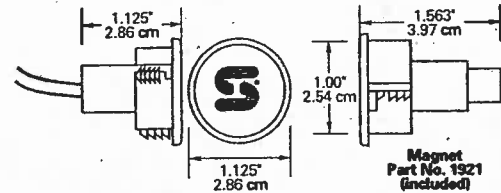
Specifications:

Form A: (R)1078, 1078W, (R)1078C, 1078CW, 1078C1
 Voltage 100 V AC/DC max.
 Current 0.5 A max.
 Power 7.5 W max.
Form C: (R)1076, 1076W, 1076H, (R)1076D, 1076C(D), 1076CW, 1076CH
 Voltage 30 V AC/DC max.
 Current 0.25 A max.
 Power 3.0 W max.

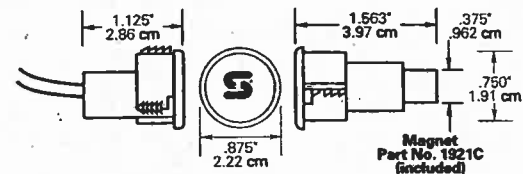
SPDT Lead Colors:

Black: Common, White: Closed Loop, Red: Open Loop

(R)1078,
1078W,
(R)1076,
1076W,
1076H,
(R)1076D



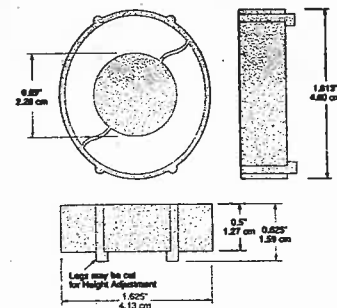
(R)1078C,
1078CW,
1078C1,
(R)1076C,
1076CW,
1076CH



Rare Earth Magnet

(R) prefix indicates
Rare Earth Magnet

Protected by U.S.
Patent 5,844,458.



Ordering Information

| Model Number | Dia. | Loop Type | Elect. Config. | Hole Required | | Gap Distance | | |
|--------------|------|----------------|----------------|---------------|---------------|--------------|------------|------------|
| | | | | Contact | Magnet | Wood | Steel | Rare Earth |
| (R)1076 | 1" | Open or Closed | SPDT | 1" x 1.125" | 1" x 1.563" | 1" | Up to 1/2" | Up to 5/8" |
| 1076W | 1" | Open or Closed | SPDT | 1" x 1.125" | 1" x 1.563" | 2" | Up to 1" | |
| (R)1076D | 1" | Open or Closed | DPDT | 1" x 1.125" | 1" x 1.563" | 3/4" | Up to 3/8" | Up to 5/8" |
| 1076H | 1" | Open or Closed | SPDT | 1" x 1.125" | 1" x 1.563" | 3/4" | Up to 1/2" | |
| (R)1078 | 1" | Closed | N/O | 1" x 1.125" | 1" x 1.563" | 1" | Up to 1/2" | Up to 5/8" |
| 1078W | 1" | Closed | N/O | 1" x 1.125" | 1" x 1.563" | 2" | Up to 1" | |
| (R)1076C | 3/4" | Open or Closed | SPDT | .75" x 1.125" | .75" x 1.563" | 7/8" | Up to 3/8" | Up to 5/8" |
| 1076CW | 3/4" | Open or Closed | SPDT | .75" x 1.125" | .75" x 1.563" | 2" | Up to 3/4" | |
| (R)1078C | 3/4" | Closed | N/O | .75" x 1.125" | .75" x 1.563" | 7/8" | Up to 3/8" | Up to 5/8" |
| 1078C1 | 3/4" | Closed | N/O | .75" x 1.125" | .75" x 1.563" | 1/2" | N/A | |
| 1078CW | 3/4" | Closed | N/O | .75" x 1.125" | .75" x 1.563" | 2" | Up to 3/4" | |
| 1076CH | 3/4" | Open or Closed | SPDT | .75" x 1.125" | .75" x 1.563" | 5/8" | Up to 3/8" | |

* Gap distances are nominal make distance +/- 20%.

interlogix

SECURITY & LIFE SAFETY GROUP

CADDX | ESL | GBC | ITI | SENTROL

SENTROL 12345 SW Leveton Dr. Tualatin, OR 97062
 PH 503.692.4052 FX 503.691.7566 www.interlogixinc.com
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 FaxBack: 800.483.2495

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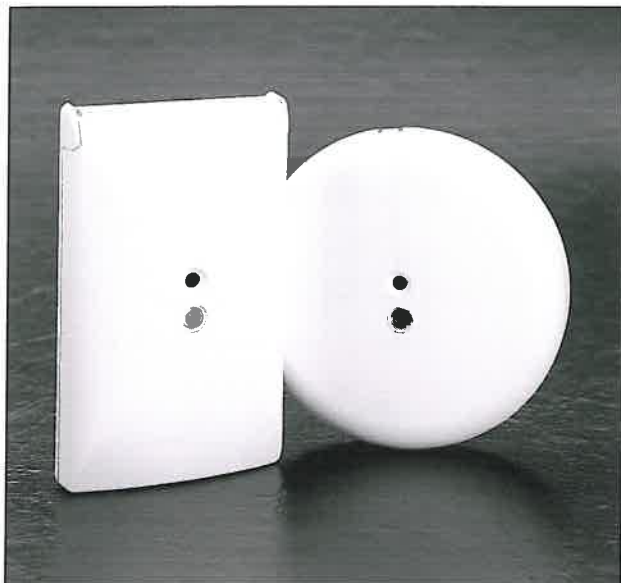
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Interlogix, Inc.

C-3617-95K-0101



5812NT SERIES ACOUSTIC GLASSBREAK SENSOR

ShatterPro™ 3

Model numbers:

5812NT, R5812NT, 5815NT, R5815NT

- **25 percent better false alarm immunity than industry leaders***
- **Adjustable to room size**
- **All-new, easy-access design**
- **End-user can test sensor operation with a clap of the hands**
- **Alarm Memory**

*Wyle Labs Glassbreak Testing, May 2000

The Sentrol 5812NT Series ShatterPro™ 3 is the latest breakthrough in Sentrol's advanced series of acoustic glassbreak sensors. In independent lab tests, Sentrol's ShatterPro 3 provides 25 percent better false-alarm immunity than industry-leading glassbreak sensors. The coverage pattern can be easily adjusted to fit small or large rooms. Interference outside the range will not cause false alarms.

The ShatterPro 3 detects in a full 360°-coverage pattern, with a maximum 25' (7.5m) radius from sensor to glass.

Using Sentrol's patented Pattern Recognition Technology, the sensor listens for actual patterns of breaking glass while eliminating most false alarm patterns. ShatterPro 3 listens across the glassbreak frequency spectrum for greater false alarm immunity.

Available with a round or rectangular housing, ShatterPro 3 can be tested without opening the sensor by activating the Sentrol hand-held glassbreak tester at close range. A simple hand clap feature lets end-users confirm at any time that the ShatterPro 3 is operational.

continued

Sentrol 5812NT Series ShatterPro™ 3

Specifications:

Electrical

Input voltage 9 to 16VDC
 Current:
 Typical 15mA
 Maximum 25mA
 Electrical configuration Form A, Form C
 Field wiring size 18 AWG
 Relay rating 16V, 50mA max.
 Detection range 3'-25' (0.9 m-7.6 m) x 360°
 Alarm response 4 sec.

Features

Minimum glass size 12" x 24" (30.5 cm x 61 cm)
 Recommended glass thickness:
 Plate 3/32"-1/4" (2.4 mm-6.4 mm)
 Tempered 1/8"-1/4" (3.2 mm-6.4 mm)
 Wired 1/4" (6.4 mm)
 Laminated 1/8"-1/4" (3.2 mm-6.4 mm)

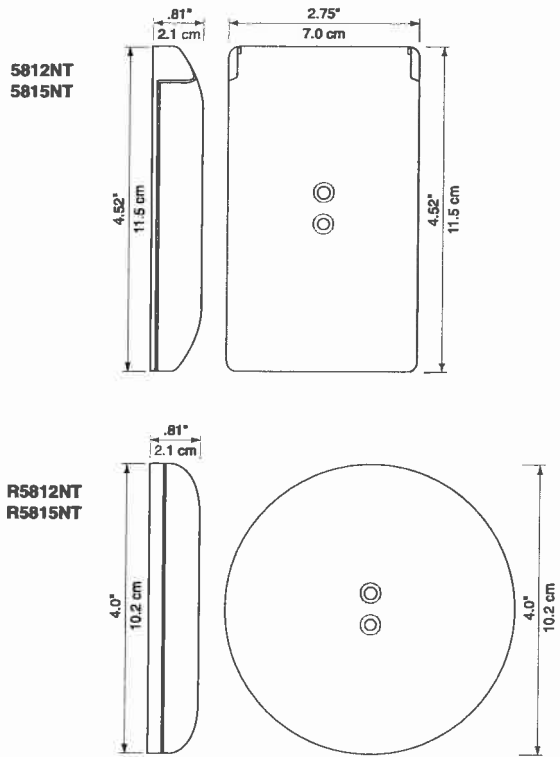
Environmental

Operating temperature 32°-122°F (0°-50°C)
 Relative humidity 10-90% non-condensing

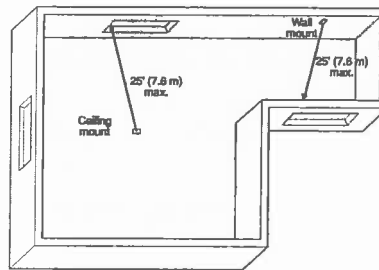
Dimensions

Round housing
 Depth 0.81" (2.1 cm)
 Diameter 4.0" (10.2 cm)
 Rectangle housing
 Depth 0.81" (2.1 cm)
 Width 2.75" (7.0 cm)
 Height 4.52" (11.5 cm)
 Color white
 Listings UL, C-UL

Dimensions



Mounting Location



Ordering Information

| Model Number | Description | Color |
|--------------|--|-------|
| 5812NT | ShatterPro 3 with rectangular housing, Form A | White |
| R5812NT | ShatterPro 3 with round housing, Form A | White |
| 5815NT | ShatterPro 3 with rectangular housing, Form C, tamper switch | White |
| R5815NT | ShatterPro 3 with round housing, Form C, tamper switch | White |
| Accessories | | |
| 5709C | Glassbreak hand-held tester | White |

interlogix

SECURITY & LIFE SAFETY GROUP

CADDX | ESL | GBC | ITI | KALATEL | SENTROL

12345 SW Leveton Dr. Tualatin, OR 97062
 PH 503.692.4052 FX 503.691.7566 www.interlogixinc.com
 USA & Canada: 800.547.2556
 Technical Service: 800.648.74
 FaxBack: 800.483.2495

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G-4205-st2.5K-0201

2202 SERIES OVERHEAD DOOR MAGNETIC CONTACTS

Miniature Surface Mount with Armored Cable

Model numbers:

2202, 2202A, 2202AU, 2204, 2204A, 2204AU



Model 2202A above;
Model 2202AU with universal magnet on right.



- Wide 3 inch operating gap
- Fully sealed switch
- Form C unit available
- Mounting hardware included

The Sentrol 2202 Series overhead door magnetic contact is for use in the rigorous environments of commercial and industrial installations. The floor mount units are constructed with a low profile heavy cast aluminum housing. The reed switch assembly is fully encased in Sentrol's exclusive polyurethane potting material to prevent damage due to moisture or humidity. A wide operating gap distance of up to three inches makes installation easy and helps prevent false alarms caused by door movement or damaged and loose fitting doors. The 2202 Series is available with a universal style magnet that allows for greater installation flexibility.

continued

2202 Series Miniature Overhead Door Contacts

Architects and Engineering Specifications

The switch housing shall be cast aluminum with reed switch potted with Sentrol's exclusive polyurethane potting compounds. The switch shall be a nominal 3.50" (8.89 cm) L x 1.50" (3.81 cm) W. The actuating magnet shall be potted into a cast aluminum housing with nominal dimensions 3.50" (8.89 cm) L x 1.50" (3.81 cm) W x 1.50" (3.81 cm) D. Eighteen inches of flexible stainless steel cable (2202A/2204A) or vinyl jacket lead (2202/2204) shall be permanently attached to the switch.

Specifications:

Form A (2202A, 2202AU)

Voltage: 100 V AC/DC max
Current: 0.5 A max
Power: 7.5 W max

Form C (2204A, 2204AU)

Voltage: 30 V AC/DC max
Current: 0.25 A max
Power: 3.0 W max

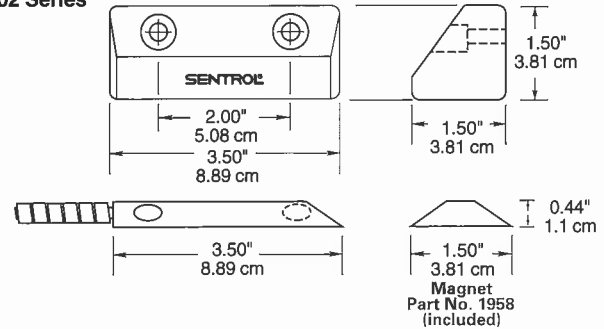
Lead colors:

SPDT Black-Common
 White-Closed Loop (N.O.)
 Red-Open Loop (N.C.)

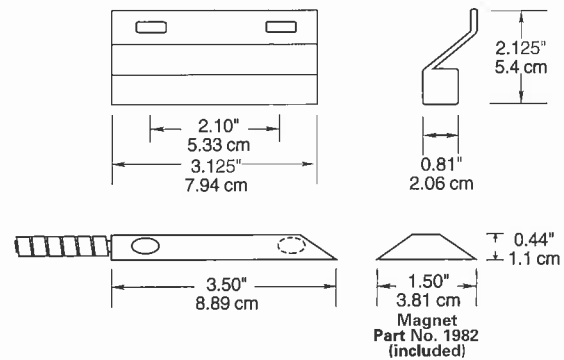
Installation Instructions

Secure switch to the floor with appropriate fasteners (wood or masonry). Be sure to position the switch where it will be least likely to be a hindrance to traffic. Attach magnet on the door so it lines up with the switch when the door is closed. It is not necessary for the magnet to touch the switch as it has a 2" "make" distance to allow for door operational tolerance.

2202 Series



2202AU and 2204AU Series with Universal Magnet



Ordering Information

| Model Number | Loop Type | Electrical Configuration | Lead Type | Gap Distance* | Listing |
|--------------|----------------|--------------------------|-----------------------------------|---------------|---------|
| 2202 | Closed | N.O. | 18" vinyl jacketed | Up to 3" | UL/ULC |
| 2202A | Closed | N.O. | 18" stainless steel armored cable | Up to 3" | UL/ULC |
| 2202AU | Closed | N.O. | 18" stainless steel armored cable | Up to 3" | UL/ULC |
| 2204 | Open or Closed | SPDT | 18" vinyl jacketed | Up to 3" | UL/ULC |
| 2204A | Open or Closed | SPDT | 18" stainless steel armored cable | Up to 3" | UL/ULC |
| 2204AU | Open or Closed | SPDT | 18" stainless steel armored cable | Up to 3" | UL/ULC |

NOTE:

* Gap distances are nominal make distance $\pm 20\%$.
Gap specifications are for switch to make. Break distance is approximately 1.1 to 1.5 times make.



CORPORATE HEADQUARTERS

12345 SW Leveton Dr., Tualatin, OR 97062
Tel.: 503.692.4052 Fax: 503.691.7566
<http://www.sentrol.com>
U.S. & Canada: 800.547.2556
Technical Service: 800.648.7424
FaxBack: 800.483.2495

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FA205S BELT CLIP/LOOP TRANSMITTER SINGLE-BUTTON

A smart design with simple, single-button activation. LED flashes on all transmissions, including supervision so the user is reassured the unit is transmitting. Supervised pendant comes with belt clip that can be converted to belt loop. It can also be easily mounted for fixed-position signaling. Includes a customer-replaceable 3V lithium battery. Black color.

FA205D BELT CLIP/LOOP TRANSMITTER DOUBLE-BUTTON

To minimize false alarms, both buttons must be pressed simultaneously to transmit an alarm. LED flashes on all transmissions, including supervision, so the user is reassured that the unit is operating. Supervised pendant comes with belt clip/belt loop. It can also be easily mounted for fixed-position signaling. Includes a customer-replaceable 3V lithium battery. Black color.

FA214 KEYCHAIN FOUR-BUTTON TRANSMITTER

Keychain-size remote control with the range and reliability of 900MHz. For use with FA464DR or FA416 receiver family to provide sophisticated four-button remote control. Ideal for opening/closing gates or doors, and similar applications. Includes a customer-replaceable 3V lithium battery. FA116 programmer required. Black color.



Easy access is an important feature of the FA205D. It comes with a belt clip that can be converted to a belt loop.

INTOUCH PAKS

Inovonics Wireless is pleased to offer package deals on our most popular product combinations. Available in two styles, the FA2603R, which includes a four-transmitter receiver with relays and a single-button white pendant transmitter, and the FA2605R, which includes a four-transmitter receiver with relays and a black double-button belt clip transmitter. These are available at a special price when you buy the Pak.

WATER-RESISTANT PENDANTS

Please call Inovonics Wireless for additional information on our water-resistant pendants.

| Model | Weight | Dimensions | Power | Battery Replacement ¹⁾ | Battery Life (avg) ²⁾ |
|--------|--------|------------------|--------------|-----------------------------------|----------------------------------|
| FA203S | 1.7oz. | 3 x 1.6 x 0.72" | 3.0V Lithium | BAT608 | 3-5 years |
| FA203D | 1.7oz. | 3 x 1.6 x 0.72" | 3.0V Lithium | BAT608 | 3-5 years |
| FA204 | 1.8oz. | 2.75 x 2 x 0.75" | 3.0V Lithium | BAT607 ³⁾ | 1-2 years |
| FA205S | 2.1oz. | 3 x 1.6 x 1" | 3.0V Lithium | BAT608 | 3-5 years |
| FA205D | 2.1oz. | 3 x 1.6 x 1" | 3.0V Lithium | BAT608 | 3-5 years |
| FA212 | 1.7oz. | 3 x 1.6 x 0.72" | 3.0V Lithium | BAT608 | 3-5 years |
| FA214 | 1.7oz. | 3 x 1.6 x 0.72" | 3.0V Lithium | BAT608 | 5-8 years (unsupervised) |

1) Not all brands are equivalent. Please use only the Inovonics Wireless battery specified.

2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times.

3) Due to differences in metallurgy and electrical characteristics, the only battery recommended for the FA204 pendant is the BAT607 battery supplied by Inovonics Wireless.

Operating Environment: 32° to 140°F (0° to 60°C) up to 95% relative humidity (non-condensing).

CALL 800.782.2709

For more information on other Inovonics Wireless high performance systems, slave receivers, and components.

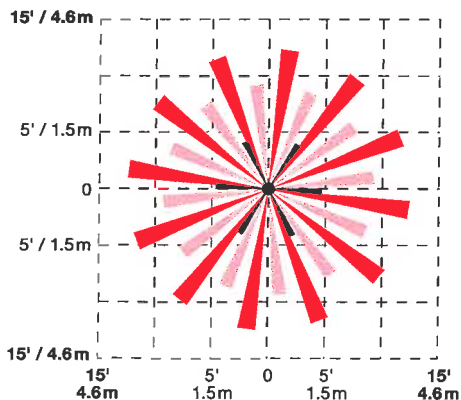
BRAVO5™

A 360° ceiling-mount quad element PIR motion detector with optional integral glass break detector, Bravo5 is ideal for rooms requiring a uniform 360° detection pattern *or* for rooms requiring the benefit of having both motion and glass break detectors in one housing.



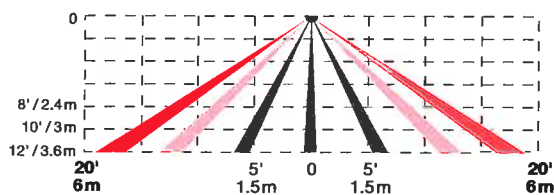
360° QUAD Element PIR... at 8' (2.4m) height

Top View

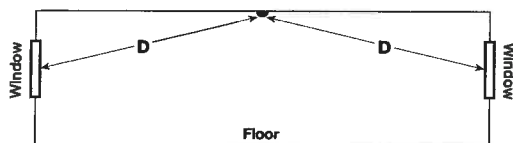


■ Top Lens ■ Middle Lens ■ Bottom Lens

Side View



360° Glass Break Detector



MODELS...Motion Alone

| | |
|--------|--|
| BV-500 | Form 'A' alarm contact |
| BV-501 | Form 'A' alarm contact & tamper switch |
| BV-502 | Form 'C' alarm contact & tamper switch |

MODELS...Motion & Glass Break

| | |
|----------|---|
| BV-500GB | Form 'A' alarm contact (motion), form 'C' contact (glass break) |
| BV-501GB | Form 'A' alarm contact (motion), form 'C' contact (glass break) & tamper switch |
| BV-502GB | Form 'C' alarm contact (motion), form 'C' contact (glass break) & tamper switch |

SPECIFICATIONS

Electrical :

| | |
|---------------------------------------|-------------------------------------|
| Input voltage | ... 9 to 14.5VDC |
| Current (typical with glass break) |38/35mA (alarm on/off) @ 12VDC |
| Current (typical without glass break) |18/15mA (alarm on/off) @ 12VDC |

Contact Rating :

| | |
|---------------------------|-------------------|
| Alarm relay (PIR) |01A @ 24VDC |
| Alarm relay (glass break) |1.0A @ 24VDC |
| Tamper switch |0.1A @ 24VDC |

Environmental/Immunity :

| | |
|-----------------------|---|
| Operating temperature |32 to 122°F (0 to 50°C) |
| Operating humidity |5% to 95% non-condensing |
| Radiated immunity |10V/m +80% (AM @ 1 kHz) from 80MHz to 1GHz |
| Conducted immunity |10V +80% (AM @ 1 kHz) from 150kHz to 80MHz |
| Transient immunity |2.4kV @ 1.2 joules |

Physical :

| | |
|------------|-----------------------------------|
| Dimensions |4.6"Ø x 1.4"H (11.7 x 3.6cm) |
| Color |designer white |

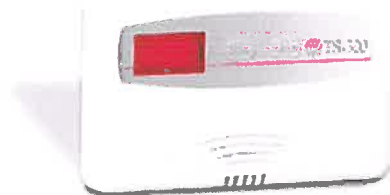
360° PIR DETECTOR RANGE

| Mounting height | 8' (2.4m) | 10' (3.0m) | 12' (3.6m) |
|-----------------------------|------------|------------|-------------|
| Detection diameter at floor | 24' (7.3m) | 30' (9.2m) | 40' (12.2m) |

360° GLASS BREAK DETECTOR RANGE

| Glass Type & Thickness | Sizes | Maximum 'D' Detection Range | |
|--------------------------------|---|--------------------------------|---------------|
| | | Level 1' | Level 2' |
| Plate/Tempered | | | |
| 1/8" - 1/4" thick (3 - 6mm) | 18" x 18" and up (46 x 46cm) | 25' (7.6m) | 15' (4.6m) |
| | 12" x 12" to 18" x18" (30 x 30 to 46 x 46cm) | 15' (4.6m) | 10' (3m) |
| Wired/Laminated | | | |
| 1/4" thick (6mm) | 18" x 18" and up (46 x 46cm) | 20' (6m) | DO NOT USE |
| | 12" x 12" to 18" x18" (30 x 30 to 46 x 46cm) | 10' (3m) | DO NOT USE |

†Jumper selectable



Dual Temperature Sensor

- Simultaneous operation of local and remote probes
- Local sensor 32° to 140° F (0° to 60°C) +/-3°F (+/-2.2°C)
- Remote probe -40° to 140° F (-40° to 60°C) +/-4°F (+/-2.2°C)
- Programmable hysteresis prevents multiple alarms
- Output Matrix Mapping provides versatility and flexibility
- Audible alarm with silence timeout
- Alarm memory (up to 8 events)





UNIVERSAL DOOR/WINDOW TRANSMITTERS

These fully supervised transmitters enable you to program check-ins at 5-minute, 60-second, 30-second, and 10-second intervals. They're perfect for high security installations that require a tight supervision window or residential installations where a four-hour window is sufficient. In addition to conventional door contacts, consider using Inovonics Wireless universal transmitters with shock sensors, holdup buttons, pressure mats, temperature sensors, status relays, and a host of other sensors and devices. Based on Frequency Agile® spread spectrum technology.

MODELS

FA210 REDUCED-SIZE UNIVERSAL TRANSMITTER

Available in off-white (FA210) or brown (FA210-BN). For use with any standard contact or sensor, this reduced-size universal transmitter comes with case tamper and supports an end-of-line resistor. Mounting bracket included for quick and easy installation.



The FA210 series transmitters have a mounting bracket that hinges to the transmitter for easy installation.

Just mount the bracket and snap the transmitter into place!

FA210W REDUCED-SIZE "WIDE GAP" DOOR/WINDOW TRANSMITTER

Available in off-white (FA210W) or brown (FA210W-BN). Same as the FA210 but includes two built-in magnetic reed switches, one on top, and one on the side for maximum flexibility. Includes magnet that supports a 5/8" gap. Can support a N/O or N/C external contact when using the reed switch.

FA210M (MOMENTARY) REDUCED-SIZE UNIVERSAL TRANSMITTER

Same features as FA210 but is designed to support a N/O momentary switch with a fast-contact closure. Ideal for push-button applications, the FA210M is not intended for use with a latching switch and does not support an EOL resistor.

FA250 HIGH POWER UNIVERSAL TRANSMITTER

Same as the FA210 but with more power and up to four times the open-field range. It's ideal for buddy systems, very large sites, or sites with separate buildings. Works with all Frequency Agile receivers.

SPECIFICATIONS

| Model | Dimensions | Power | Battery Replacement ¹ | Battery Life (avg.) ² |
|--------|------------------|--------------|----------------------------------|----------------------------------|
| FA210 | 3.5 x 1.7 x 0.9" | 3.0V Lithium | BAT604 | 4-5 years |
| FA210W | 3.5 x 1.7 x 0.9" | 3.0V Lithium | BAT604 | 4-5 years |
| FA210M | 3.5 x 1.7 x 0.9" | 3.0V Lithium | BAT604 | 4-5 years |
| FA250 | 6 x 1.25 x 0.75" | 3.0V Lithium | BAT604 | 1 year |

1) Not all brands are equivalent. Please use only the Inovonics Wireless battery specified.

2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times.

Operating Environment: 32 to 140°F (0 to 60°C), up to 95% relative humidity (non-condensing)

The smart ^{EXIT} detector



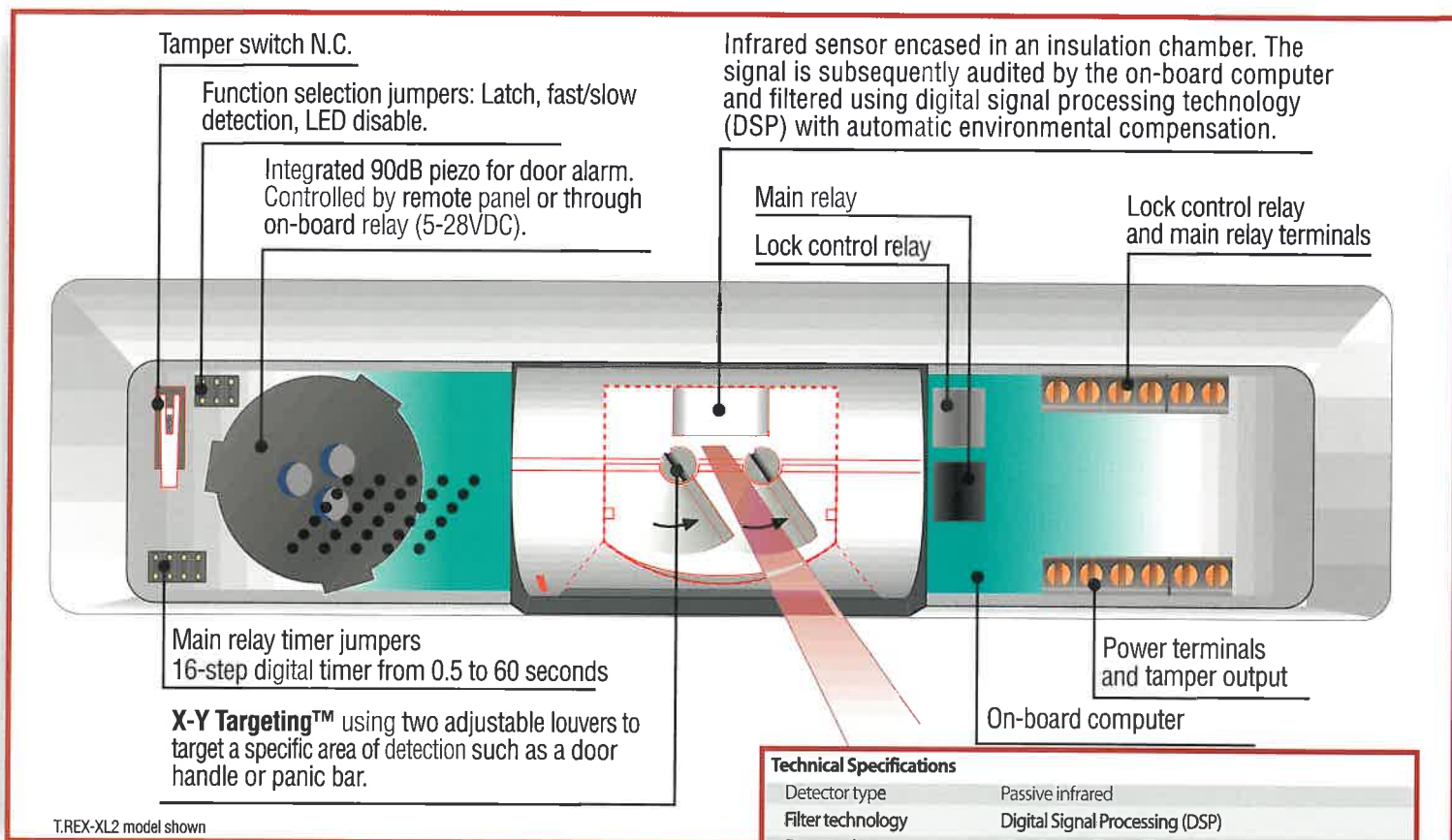
- New concept in access control exit detection
- Zone of detection easily adjustable with pinpoint accuracy
- Unlocks or shunts door automatically
- Hands free ! No buttons to push !
- Integrated 90dB local door alarm sounder independently controlled by access panel
- 4 models available



t-REX

DSC®

The smart detector



Defines a new standard

X-Y Targeting™ targets a specific area of detection.

While some exit detectors on the market offer adjustments of the detection pattern with masking or horizontal alignment, the T.Rex Exit Detector is the first detector to offer vertical detection targeting using two adjustable louvers located in the detection chamber. The installer "trims" the detection area by adjusting these louvers from 90° down to a minute 5°. Horizontal adjustment is provided by rotation of the lens. Added security: these two adjustments allow the installer to mount the detector so that the detection area will not "hit" the floor along the doorjamb. This new and exclusive feature defeats attempts to circumvent door supervision by sliding objects underneath the

door. Such objects would be detected by sensors mounted in a traditional way. DSP (Digital Signal Processing) prevents false "Door Forced Open" alarms. DSC's T.Rex Exit Detector utilizes infrared detection coupled with DSP sampling specifically designed for access control applications. There is a substantial operational difference between a common infrared intrusion motion detector and the T.Rex Exit Detector. An intrusion detector operates at low sensitivity levels and is looking for the positive presence of a human. An exit detector must

detect the extremely fast movement of a hand (the target) about to push the door or turn the door handle. Contrary to intrusion applications, a failure to detect in an exit application will actually cause a false "Door Forced Open" alarm.

Technical Specifications

| | |
|-------------------------|--|
| Detector type | Passive infrared |
| Filter technology | Digital Signal Processing (DSP) |
| Detector lens | Curtain type Fresnel lens |
| Detection range | One hand: 3m (10 ft.) / Whole body: 6m (20 ft.) |
| Power consumption | 12- 28 VDC, 50 mA |
| Piezo buzzer | 90 dB at 28 VDC, 5- 28 VDC, 20 mA (XL & XL2 only) |
| Main relay contacts | SPDT, 1A max at 30 VDC max |
| Main relay timer | Adjustable, 1/2 to 60 sec. |
| Main relay recycle time | Fixed, 3/4 sec. off |
| Lock control relay | Available on LT2 and XL2 models only Solid State relay, N.C., 2A max at 30 VDC max Timed at 2 sec. fixed |
| Tamper switch | N.C., 100mA max at 30 VDC max |
| Color | White (all models) Black (XL & XL2 models only) |
| Dimensions (H·W·D) cm | 19 x 4.5 x 4.75 |
| Dimensions (H·W·D) in. | 7 1/8 x 1 3/4 x 1 7/8 |
| Indicator light | Red / Green LED |
| Certifications | UL 294, CE, FCC |

| Part No. | Description | UL | CE |
|-----------|-----------------------------------|----|----|
| T.REX-LT | Tamper and timer | | |
| T.REX-XL | Tamper, piezo and timer | | |
| T.REX-LT2 | Tamper, timer and 2 relays | | |
| T.REX-XL2 | Tamper, piezo, timer and 2 relays | | |



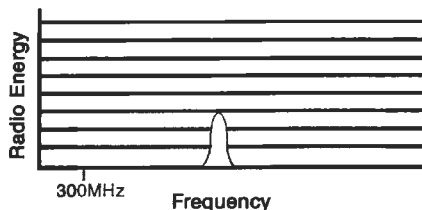
FA575 HIGH POWER REPEATER

The transmitter on the Inovonics Wireless FA575 High Power Repeater offers over four miles of open field range. This dramatic increase in range makes this transceiver a practical wireless solution for "open-air" installations such as campuses, multi-story buildings, office complexes, and other large wireless projects. Inovonics Wireless proven radio protocols and Signal Synchronization Technology™ allow the repeater to act intelligently, amplifying transmission from any FA series transmitter while ignoring background noise.

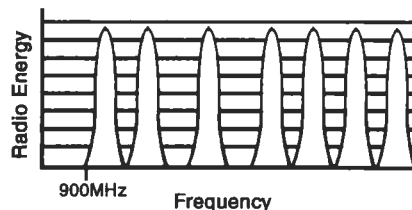
| FEATURES | BENEFITS |
|--|---|
| <ul style="list-style-type: none"> Effectively enhances the range of transmissions without wiring or programming. The transmit side has over four miles of open-field range. Programming enables supervision. | <ul style="list-style-type: none"> Go wireless in large facilities. With multiple repeaters, large sites such as shopping malls, campuses, multi-building sites, and multi-floor buildings can be covered. |
| <ul style="list-style-type: none"> Signal synchronization processing minimizes the excessive signal generation problem that occurs with conventional store-and-forward repeaters. | <ul style="list-style-type: none"> Allows virtually unlimited number of repeaters to be added to any job. |
| <ul style="list-style-type: none"> Easy to install. Just mount and plug in. | <ul style="list-style-type: none"> Saves installation time and expenses. |
| <ul style="list-style-type: none"> Flexible design monitors optional back-up battery, protects against case tamper (requires optional contacts to protect NEMA enclosure), and allows repeater to be programmed as a point for supervising the radio link from the repeater to home receiver. | <ul style="list-style-type: none"> Allows repeater customization for each application. Fully supervised when programmed as a point. |
| <ul style="list-style-type: none"> Available in weatherproof housing (FA575) or attractive enclosure (FA570) for indoor use. | <ul style="list-style-type: none"> One repeater design is easily adaptable for indoor or outdoor use. |

WHY DO YOU NEED FREQUENCY AGILE® RADIO?

To help ensure reliability! The airwaves are getting more crowded as the world goes "wireless". Inovonics Wireless Frequency Agile radio utilizes a unique 900MHz spread spectrum technology to maximize range and reliability.



Virtually all 300MHz wireless systems send information on one very narrow band channel. Any "in-band" interference can result in missed signals.

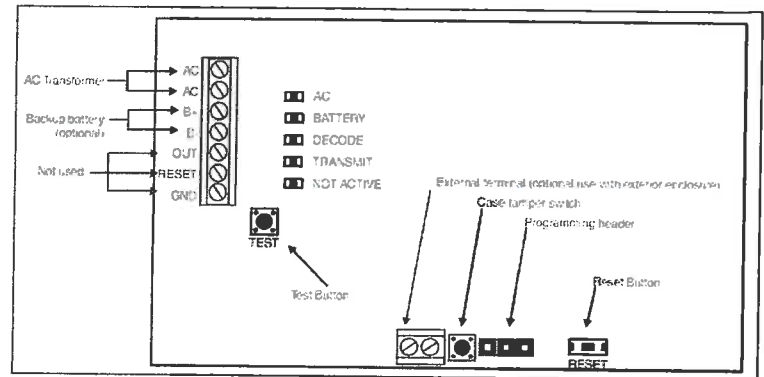


Inovonics Wireless Frequency Agile technology sends completely redundant messages on a multitude of different channels across a 10MHz band, creating the most reliable wireless system available.



FA575 SPECIFICATIONS

- **Housing Dimensions:**
7" x 7" x 3" (FA575 NEMA 4 weatherproof housing)
6.38" x 3.60" x 1.10" (FA570 indoor enclosure)
- **Weight:** 20.7 oz. (FA575)
5.3 oz. (FA570)
- **Optional back-up battery:** 12VDC @ 1.2Ah
- **Power Requirement:** 14VAC
(14VAC @ 20 VA transformer included)
- **Current Consumption:** approximately 70 mA typical
- **Operating Environment:** 32° - 140°F (0° - 60°C)
up to 95% relative humidity (non-condensing)



MODELS AVAILABLE

- FA575:** Contains FA570 High Power Repeater enclosed in NEMA 4 weatherproof housing.
- FA570:** High Power Repeater indoor-use housing. Off-white in color.
NOTE: FA575 required to enclose backup battery.

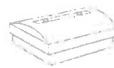
ACCESSORIES

- BAT603:** Optional 12VDC @ 1.2Ah backup battery. (Will fit in FA575 housing.)

These compatible FA transmitters feature low battery detection on all transmitters (even those with lithium batteries), non-volatile memory so programming information is retained even if the battery dies, and a fully supervised radio link.



FA202
Smoke Detector & Transmitter



FA207
ShatterPro™ Glassbreak & Transmitter



FA203D & S
Double and Single-Button Pendants



FA209
Wireless Billtrap



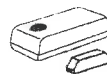
FA223D & S
Double and Single-Button
Water Resistant Pendants



FA210
Reduced-size Universal Door/Window
Transmitter



FA205D & S
Double and Single-Button
Belt Clip Transmitters



FA210W
Reduced-size Universal Wide Gap
Transmitter



FA206I & S
Inovonics Wireless & Sharpshooter™
PIRS & Transmitters



FA216L & H
Temperature Transmitter



FA206DS
Detection Systems PIR & Transmitter



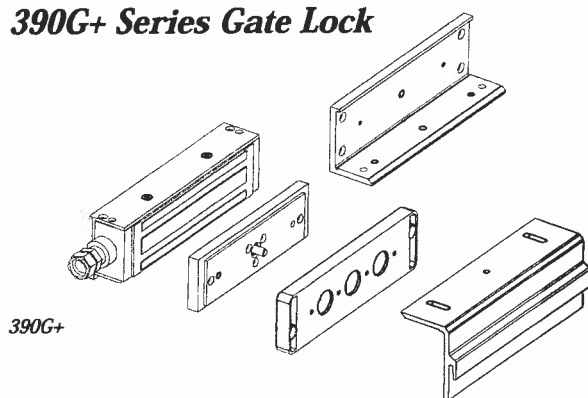
FA250
High Power Transmitter

Sharpshooter and ShatterPro are trademarks of Interlogix.

Call 800.782.2709

For more information on other Inovonics Wireless high performance systems, slave receivers, and components.

390G+ Series Gate Lock



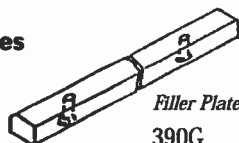
The 390G+ Gate Lock is a weather resistant electromagnetic lock with 1500 lbs. of holding force. It is designed for use on all types of sliding and swinging gates. As a high security magnetic lock it can accommodate misalignment problems while supplying superior holding force. A 1/2" compression connector is provided for installation of 1/2" EMT conduit, insuring protection of hook-up wiring from weather and vandalism. Heavy duty plating resists corrosion of mating surfaces providing a low maintenance locking device.

Specifications

| | 390G+ |
|---------------------------|-----------|
| Holding Force (LBS) | 1500 |
| Input Voltage (STD. UNIT) | 12/24 VDC |
| Current Draw | .67A@12V |
| Dual Voltage | .35A@24V |
| Field Selectable | |
| Height | 2-1/2" |
| Length | 9" |
| Width | 1-1/2" |

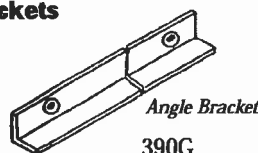
■ Available Options: DSM, MBS

Filler Plates



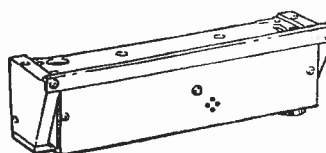
| WIDTH X HEIGHT | 390G PLATE NO. |
|----------------|-------------------|
| 1-1/4" x 1/8" | 39G1F |
| 1-1/4" x 1/4" | 39G2F |
| 1-1/4" x 3/8" | 39G3F |
| 1-1/4" x 1/2" | 39G4F |
| 1-1/4" x 5/8" | 39G5F |
| 1-1/4" x 3/4" | 39G6F |
| 3/4" x 1/2" | 39G7F |
| 3/4" x 5/8" | 39G8F |
| 3/4" x 3/4" | 39G9F |

Angle Brackets

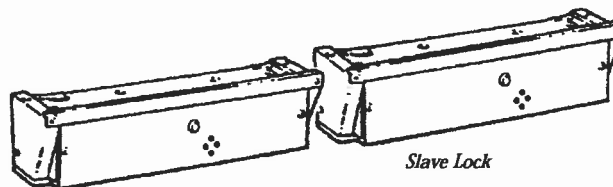


| WIDTH X HEIGHT | 390G BRACKET NO. |
|-----------------|---------------------|
| 1" x 1" | 39G1A |
| 1-1/2" x 1" | 39G2A |
| 1-1/2" x 1-1/2" | 39G3A |
| 1-1/2" x 2" | 39G4A |
| 1-1/2" x 2-1/2" | 39G5A |

101+ Delayed Egress Plus



101+ Single Lock



Master Lock

Slave Lock

The 101+ Series Delayed Egress System is a self-contained unit designed to meet NFPA Life Safety Code 101 — Special Locking Arrangements

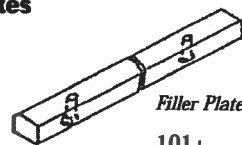
The 101+ series is a self-contained delayed egress unit. The 101+ features a patented "rocking magnet" which triggers a 15 to 30 second delay and audible signal. A nuisance delay is provided to prevent the delayed egress system from being falsely activated. It can be programmed from 0 - 3 seconds, and pressure must be maintained on the door during this period before the delay egress cycle is activated. The 101+ contains a TouchEntry reader on board the lock housing to provide reset and legal release. Two reprogrammable TouchEntry data keys are shipped with each lock.

Specifications

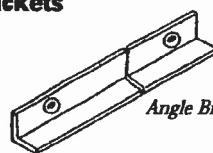
| | 101+ | 101-2+ |
|--|------------------|--------------------|
| Holding Force (LBS) | 1500 | 1500 Per door leaf |
| Input Voltage (STD. UNIT) | 12/24 VAC/VDC | 12 VAC/VDC |
| Current Draw | .8@12V .5@24V | 1.6@12V 1.0@24V |
| PWM Option (1200 LBS holding force) | .4@12V | .8@12V |
| Height | 3-1/32" | 3-1/32" |
| Length | 11-1/2" | 23" |
| Width | 3-3/16" | 3-3/16" |
| Standard Finish | 628 | 628 |

Options

- **Finishes:** 313 Dark Brown, 335 Satin Black, 666 Bright Brass and 672 Bright Chrome
- **ATR (Audit Trail Record)** (Not available with 101-2+): buffer memory retains the last 100 transactions, including user, location, time and date
- **ATS (Anti-Tamper Switch):** triggers alarm if cover is removed from lock
- **BOCA (BOCA Code)** (Not available with 101-2+): model which complies with special BOCA Code features
- **DSM (Door Status Monitor):** indicates when door is open or closed
- **MBS (Magnetic Bond Sensor):** indicates when lock is secured or unsecured
- **PWM (Powermiser):** provides low current draw .4 amps @ 12 volts
- **MX500: Memory Expansion** for 500 users
- **SEC Security Alarm** (Not available with 101-2+): enables the following features:
 - **Programmable Door Propped Open Alarm:** triggers alarm if door held open too long
 - **Forced Door Alarm:** triggers alarm if door opened without valid release signal
 - **Anti-Tailgate:** initiates relock as soon as door is closed

Filler Plates

Filler Plate

| WIDTH X HEIGHT | 101+ PLATE NO. |
|----------------|-------------------|
| 1-1/4" x 1/8" | 1011F |
| 1-1/4" x 1/4" | 1012F |
| 1-1/4" x 3/8" | 1013F |
| 1-1/4" x 1/2" | 1014F |
| 1-1/4" x 5/8" | 1015F |

Angle Brackets

Angle Bracket

| WIDTH X HEIGHT | 101+ BRACKET NO. |
|-----------------|---------------------|
| 1" x 1" | 1011A |
| 1-1/2" x 1" | 1012A |
| 1-1/2" x 1-1/2" | 1013A |
| 1-1/2" x 2" | 1014A |
| 1-1/2" x 2-1/2" | 1015A |